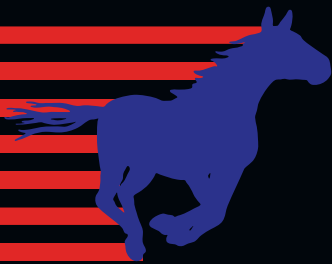
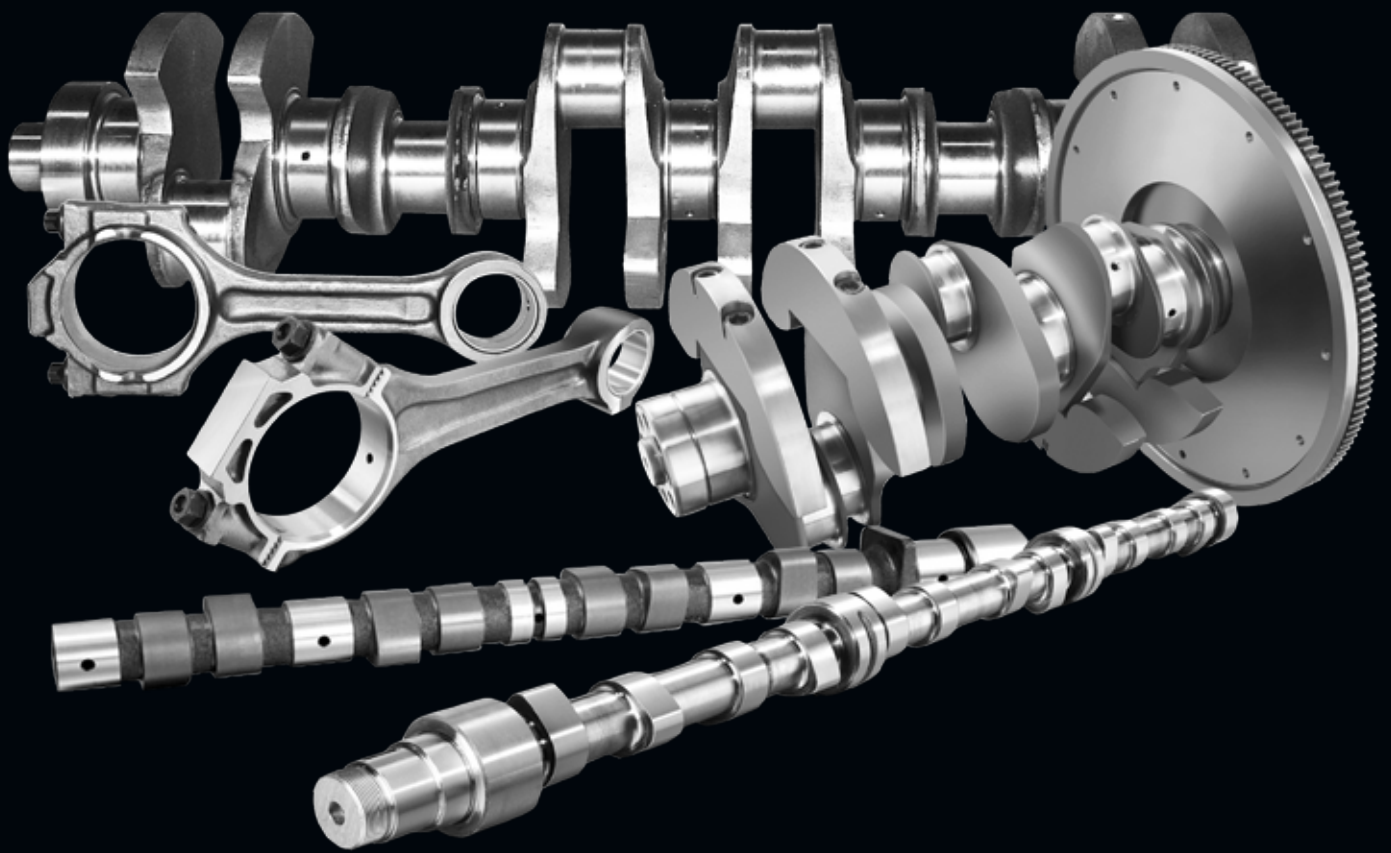


*Crankshafts
Camshafts
Connecting Rods*



UTM

catalogue 2017

Crankshafts

Camshafts

Connecting Rods

catalogue 2017

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ALFA ROMEO

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-----------|-----------|-----------|
| 01-CS698 | AR 32.104 | 82.0x75.7 | 1.6 | R4 |
| 01-CS698 | AR 37.203 | 82.0x75.7 | 1.6 | R4 |

AVIA

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|------------|-----------|-----------|
| 74-CS865 | D420 | 98.0x110.0 | 3.3 | R4 |
| 74-CS866 | D421.76 | 98.0x110.0 | 3.3 | R4 |

CATERPILLAR

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-------------|-----------|-----------|
| 04-CS842 | 3204 | 114.3x127.0 | 5.2 | R4 |
| 04-CS843 | 3116 | 105.0x127.0 | 6.6 | R6 |
| 04-CS844 | 3304 | 120.7x152.4 | 7.0 | R4 |
| 04-CS845 | 3306 | 120.7x152.4 | 10.5 | R6 |
| 04-CS846 | 3408 | 137.2x152.4 | 18.0 | V8 |
| 04-CS847 | D8K | 146.0x203.2 | 20.4 | R6 |

CITROEN

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|----------------|-----------|-----------|-----------|
| 33-CS802 | 8HS (DV4TD) | 73.7x82.0 | 1.4 | R4 |
| 33-CS803 | 8HS (DV4TD) | 73.7x82.0 | 1.4 | R4 |
| 33-CS809 | A9A (XUD7) | 80.0x88.0 | 1.7 | R4 |
| 33-CS809 | D9B (XUD9) | 83.0x88.0 | 1.9 | R4 |
| 33-CS801 | RHR (DW10BTED) | 85.0x88.0 | 2.0 | R4 |
| 33-CS801 | RHY (DW10BTED) | 85.0x88.0 | 2.0 | R4 |
| 33-CS841 | T9A (DJ5) | 92.0x92.0 | 2.5 | R4 |

CUMMINS

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------------------|-------------|-----------|-----------|
| 08-CS830 | ISF 3.8 EURO 4 / EURO 5 | 102.0x115.0 | 3.8 | R4 |
| 08-CS831 | 4B/BT/BTA | 102.0x120.0 | 3.9 | R4 |
| 08-CS832 | 6B/BT/BTA | 102.0x120.0 | 5.9 | R6 |
| 08-CS833 | 6B/BT/BTA | 102.0x120.0 | 5.9 | R6 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|-----------------|--------------------------------|--------|
| 156 (1997-2005) | 60658435 / 60659760 / 71736262 | |
| 147 (2000-2010) | 60658435 / 60659760 / 71736262 | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|--------------------|-----------------|--------|
| AVIA SG2 / SG3 | | |
| AVIA A21/A31 EURO2 | | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|---|--------|
| | 1W9771 / 4N1112 | |
| | 1051725 / 4W3498 (Old) | FORGED |
| | 4N7692 / 4N7694 / 2W7960 / 5S5252 | FORGED |
| | 4N7693 / 4N7696 / 2W7458 / 4P9857 / 4P7827 / 2Y4517 | FORGED |
| | 1W6209 | FORGED |
| | 6N2823 | FORGED |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|--|-----------------------------|--------|
| C2 / C3 / NEMO 1.4 HDi | 0501.J9 | |
| C2 / C3 / NEMO 1.4 HDi | 0501.J9 | FORGED |
| BERLINGO 1.8D (1996-2002) | 0501.H1 | |
| BERLINGO 1.9D (1996-2002) | 0501.H1 | |
| BERLINGO 2.HDi (1999-) | 0501.G3 / 0501.K7 / 0501.N8 | |
| XSARA 2.0 HDi (2000-) / C5 2.0 HDi (2001-2004) | 0501.G3 / 0501.K7 / 0501.N8 | |
| JUMPER 2.5 D (1994-2002) | 0501.G2 | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|--|--------------------------------|
| | 2831335 / 2831432 / 1DA50887 | FORGED |
| | 9P902148 / 3907803 / 3903827 / 3908031 | FORGED |
| | 3907804 / 3908032 / 3915259 | FORGED |
| | 3907804 / 3908032 / 3915259 | FORGED / With crankschaft gear |

CUMMINS

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-----------------|-------------|-----------|-----------|
| 08-CS834 | ISBe | 102.0x120.0 | 5.9 | R6 |
| 08-CS835 | 6C/CT/CTA | 114.0x135.0 | 8.3 | R6 |
| 08-CS836 | 6C/CT/CTA | 114.0x135.0 | 8.3 | R6 |
| 08-CS837 | ISLe | 114.0x144.5 | 9.0 | R6 |
| 08-CS838 | ISM / M11 | 125.0x147.0 | 11.0 | R6 |
| 08-CS839 | NT / NTC Series | 140.0x152.4 | 14.0 | R6 |
| 08-CS840 | NH Series | 140.0x152.4 | 14.0 | R6 |

DAEWOO

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|----------------|-------------|-----------|-----------|
| 09-CS522 | A15MF | 76.5x81.5 | 1.5 | R4 |
| 09-CS522 | A16DMS | 79.0x81.5 | 1.6 | R4 |
| 09-CS624 | DOOSAN DE08TIS | 111.0x139.0 | 8.1 | R6 |

DAF

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-------------|-----------|-----------|
| 10-CS564 | DH 825 | 118.0x126.0 | 8.3 | R6 |
| 10-CS565 | D 1160 | 130.0x146.0 | 11.6 | R6 |
| 10-CS566 | DKX 1160 | 130.0x146.0 | 11.6 | R6 |
| 10-CS567 | WS Series | 130.0x146.0 | 11.6 | R6 |
| 10-CS568 | DK 1160 | 130.0x146.0 | 11.6 | R6 |
| 10-CS520 | XE / XF | 130.0x158.0 | 12.6 | R6 |

DEUTZ

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-------------|-----------|-----------|
| 12-CS670 | F1L 411 | 92.0x105.0 | 0.7 | 1 |
| 12-CS671 | F1L 511 D | 100.0x105.0 | 0.8 | 1 |
| 12-CS672 | F2L 411 | 92.0x105.0 | 1.4 | R2 |
| 12-CS876 | F2M 1011 | 91.0x112.0 | 1.4 | R2 |
| 12-CS673 | F2L 511 D/W | 100.0x105.0 | 1.65 | R2 |
| 12-CS674 | F2L 912/D/W | 100.0x120.0 | 1.9 | R2 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|---------------------------------------|---|
| | 3944204 | FORGED / With crankschaft gear |
| | 3910968 / 3914584 / 3917320 / 3911743 | FORGED |
| | 3910968 / 3914584 / 3917320 / 3911743 | FORGED / With crankschaft gear |
| DONGFENG TRUCK | 3965010 | FORGED |
| | 3073707 / 9P915622 | FORGED |
| | 3000140 / 3024923 / 3608833 | FORGED / Flange: flat, 6-bolt holes. Front end: straight, 6-bolt holes, bull nose. Big cam |
| | 3001588 / 3029340 / 42960 | FORGED / Flange: flat, 6-bolt holes. Front end: tapered, 1-bolt hole, 1 key-way, taper nose. Small cam. |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|--|-----------------|--------|
| NEXIA 1.5i (1995-1997) | 96385403 | |
| AVEO 1.6 16V (2005-) / LACETTI 1.6 16V (2005-) | 96385403 | |
| | 150107-00183 | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|------------------------|-----------------------------|-------------------------------|
| | 0653687 / 0653687 / 0091157 | FORGED |
| F85-400 / F95 ATI / WS | 1297017 | FORGED / Front pulley tapered |
| F3300 / 3600 | 288836 / 0288836 | FORGED |
| F85-F95 ATI EURO 2 | 87715 / 0087715 | FORGED / Front pulley flat |
| F2800 | 670906 / 0670906 | FORGED |
| | 1291804 / 1653898 | FORGED |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|-----------------------------------|----------------------|
| | 0213 9295 | |
| | 0223 3635 | |
| | 0213 9294 | |
| | 0427 0231 | |
| | 0415 2745 | FORGED |
| | 0223 2854 / 0292 9337 / 0415 2591 | With counter weights |

DEUTZ

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|--------------------------|-------------|-----------|-----------|
| 12-CS675 | F3L 1011 | 91.0x105.0 | 2.0 | R3 |
| 12-CS676 | F3M 2011 | 94.0x112.0 | 2.3 | R3 |
| 12-CS677 | BF4L 1011 | 91.0x105.0 | 2.7 | R4 |
| 12-CS678 | F3L 912 | 100.0x120.0 | 2.8 | R3 |
| 12-CS679 | F4L 912 | 100.0x120.0 | 3.8 | R4 |
| 12-CS877 | F4L 912/D/W | 100.0x120.0 | 3.8 | R4 |
| 12-CS680 | TCD 2012 L4 | 101.0x126.0 | 4.0 | R4 |
| 12-CS681 | BF4M 2012 | 101.0x126.0 | 4.0 | R4 |
| 12-CS682 | BF4L 913 | 102.0x125.0 | 4.1 | R4 |
| 12-CS683 | F4L 912 | 102.0x125.0 | 4.1 | R4 |
| 12-CS684 | F4L 913 | 102.0x125.0 | 4.1 | R4 |
| 12-CS685 | D/TD 226-B4 / TD 226 C-4 | 105.0x120.0 | 4.15 | R4 |
| 12-CS686 | F5 L 912 | 100.0x120.0 | 4.7 | R5 |
| 12-CS687 | BF4M 1013 | 108.0x130.0 | 4.8 | R4 |
| 12-CS688 | BF6M 2013 | 98.0x126.0 | 5.7 | R6 |
| 12-CS689 | TCD 2012 L6 / BF6M 2012 | 101.0x126.0 | 6.0 | R6 |
| 12-CS690 | F6L 912 F | 102.0x125.0 | 6.1 | R6 |
| 12-CS691 | F6L 913 | 102.0x125.0 | 6.1 | R6 |
| 12-CS692 | BF6L 913 C/T | 102.0x125.0 | 6.1 | R6 |
| 12-CS878 | D 226 B-6 / TD 226 B-6 | 105.0x120.0 | 6.2 | R6 |
| 12-CS879 | D 226 B/C-6 / G 226 B-6 | 105.0x120.0 | 6.2 | R6 |
| 12-CS693 | BF6M 1013 EC | 108.0x130.0 | 7.15 | R6 |
| 12-CS694 | F6L 413 V | 120.0x130.0 | 8.8 | R6 |
| 12-CS695 | F6L 413 F | 125.0x130.0 | 9.6 | R6 |
| 12-CS880 | BF6M 1015 | 132.0x145.0 | 11.9 | V6 |
| 12-CS696 | F8L 413 F | 125.0x130.0 | 12.8 | V8 |
| 12-CS829 | F8L 413 | 125.0x130.0 | 12.8 | V8 |
| 12-CS697 | BF8L 513 C | 125.0x130.0 | 12.8 | V8 |
| 12-CS881 | BF8M 1015 | 132.0x145.0 | 15.9 | V8 |
| 12-CS882 | F10L 413 F | 125.0x130.0 | 16.0 | V10 |
| 12-CS883 | F12L 413 F / F12L 513 | 125.0x130.0 | 19.1 | V12 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|--|------------------------------------|
| | 0292 8289 / 0427 0229 | |
| | 0427 1639 / 0427 0234 | |
| | 0427 0233 / 0292 8290 / 0428 7294 | |
| | 0415 2646 / 0292 9338 | With counter weights-gear |
| | 0292 9339 / 0293 1048 | With counter weights-gear |
| | 0213 8819 / 0292 9340 / 0415 2903 | |
| | 0428 4384 / 0429 2805 | FORGED |
| | 0429 2803 / 0428 9041 / 0450 0510 / 0450 2837 | FORGED |
| | 0415 0526 / 0423 2282 | |
| | 0293 1048 / 0423 2749 | FORGED / With counter weights-gear |
| | 0293 1050 / 0415 1013 | Non turbo |
| | 1227 2493 | With gear wheel |
| | 0292 9378 / 0292 9341 / 0423 2741 | |
| | 0425 6816 | FORGED |
| | 0429 4255 / 0450 1008 | FORGED |
| | 0428 4386 / 0429 2806 / 0450 2707 | FORGED |
| | 0213 6932 / 0213 6993 / 0415 1010 / 0415 1011 | FORGED |
| | 0213 9148 / 0293 1056 / 0415 7526 | Non turbo |
| | 0292 9344 / 0292 9345 / 0213 9405 | |
| | 1227 2499 | With gear wheel |
| | 1218 9719 / 1227 2501 / 6005 010 995 | |
| | 0292 9960 / 0292 9571 / 0293 1508 / 0429 4255 / 0428 4997 / 0450 1008 | FORGED |
| | 0241 6384 / 0418 3049 | |
| | 0242 2049 / 0418 7295 / 0418 9938 | |
| | 0292 9724 / 0293 1444 | |
| | 0214 4316 / 0292 9340 / 0292 9342 / 0415 1001 / 0415 2903 | |
| | 0241 5651 / 0418 4722 | |
| | 0242 7392 / 0418 2178 / 0418 8957 | |
| | 0292 9793 / 0292 1420 / 0293 1445 / 0293 1526 | |
| | 0418 2184 / 0418 3582 / 0418 3583 / 0418 8963 | |

FIAT/IVECO TRUCK

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------------|-------------|-----------|-----------|
| 20-CS569 | 8040.04 | 103.0x110.0 | 3.7 | R4 |
| 20-CS570 | 8040.25 / 8040.45 | 104.0x115.0 | 3.9 | R4 |
| 20-CS571 | 8065.05 | 104.0x115.0 | 5.9 | R6 |
| 20-CS572 | 8210.22 | 137.0x156.0 | 13.8 | R6 |
| 20-CS573 | 8210.22 | 137.0x156.0 | 13.8 | R6 |
| 20-CS574 | 8210.42 | 137.0x156.0 | 13.8 | R6 |

FIAT/IVECO TRACTOR

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-----------------------------|-------------|-----------|-----------|
| 20-CS629 | 8030.00 / 8035.01 | 95.0x110.0 | 2.3 | R3 |
| 20-CS630 | 8035.01 / 8035.02 / 8035.04 | 95.0x110.0 | 2.3 | R3 |
| 20-CS632 | 8040.02 / 8040.04 | 100.0x110.0 | 3.5 | R4 |
| 20-CS626 | 8040.02 | 100.0x110.0 | 3.5 | R4 |
| 20-CS627 | 8040.02 | 100.0x110.0 | 3.5 | R4 |
| 20-CS628 | 8040.02 | 100.0x110.0 | 3.5 | R4 |
| 20-CS631 | 8045.05 | 104.0x115.0 | 3.9 | R4 |
| 20-CS633 | 8360.05 / 8365.25 | 115.0x130.0 | 8.1 | R6 |

FIAT/IVECO LIGHT COMMERCIAL VEHICLE

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------------|------------|-----------|-----------|
| 20-CS512 | F1AE | 88.0x94.0 | 2.3 | R4 |
| 20-CS884 | 8140.21 / 61 | 93.0x92.0 | 2.5 | R4 |
| 20-CS562 | 8140.27 / 47 / 67 | 93.0x92.0 | 2.5 | R4 |
| 20-CS563 | 8144.67 | 93.0x92.0 | 2.5 | R4 |
| 20-CS564 | 8140.27 / 47 / 67 | 93.0x92.0 | 2.5 | R4 |
| 20-CS513 | 8140.23 / 43 / 63 | 94.4x100.0 | 2.8 | R4 |
| 20-CS511 | F1C | 95.8x104.0 | 3.0 | R4 |
| 20-CS511 | F1C | 95.8x104.0 | 3.0 | R4 |

FIAT PASSENGER CAR

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-----------|-----------|-----------|
| 13-CS575 | 124 A2.000 | 73.0x71.5 | 1.2 | R4 |
| 13-CS576 | 188 A4.000 | 70.8x78.9 | 1.2 | R4 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|---|------------------------------|---------------------------------|
| M29.12 | 98414023 | FORGED |
| 85.12 / 65.9 / 35.9 | 98451527 / 504075031 | FORGED / 7 holes flange: 114 mm |
| 110.90 / 130.90 / 140.90 / L517 / L520 | 4785107 | |
| 190.26 / 190.30 | 4758590 / 48475013 | FORGED / 12 counter weights |
| 190.26 / 190.30 / 619 N1 | 4742617 / 4729504 / 98475013 | FORGED / 8 counter weights |
| 400E31 / 440E37 / 260E42 / 380E37 / Euro Trakker / Euro Star / EuroTech | 99439265 | FORGED / 8 counter weights |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|---|--|------------------------|
| 450 TRACTOR | 4602840 / 1930130 / 4653850 | 6 holes flange: 95 mm |
| 480 / 540 TRACTOR | 4785106 | 7 holes flange: 110 mm |
| 780 TRACTOR / 50 NC LORRY | 4682232 | 7 holes flange: 110 mm |
| 640 TRACTOR / 50 NC | 4785104 | 7 holes flange: 114 mm |
| 50 NC | 4653287 | 6 holes flange: 95 mm |
| 50 NC | 4785104-8 | 8 counter weights |
| 65.46 / 70.56 / 70.66 / 80.66 (New Holland TD 75/85/90/95/110) | 4785110 / 4785304 / 98451529 / 5088487 | FORGED |
| 160-90 / 159.17 | 4832171 | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|--------------------------------|----------------------------------|----------------|
| DUCATO 2.3 JTD 16V (2002-2006) | 504049281 / 504017281 | |
| DUCATO 2.5 | 01907548 / 07301830 | |
| DUCATO 2.5 (1990-1994) | 99437215 | Flange: 100 mm |
| DUCATO 2.5 (1986-1990) | 1907556 | Flange: 90 mm |
| DUCATO 2.5 (1990-1994) | 500347272 / 500314779 / 99436105 | Flange: 114 mm |
| DUCATO 2.8 (1996-1999) | 504033129 / 500314784 | Flange: 114 mm |
| DAILY 3.0 JTD (2004-2006) | 504200166 / 504041684 | |
| DUCATO 3.0 JTD (2006-) | 504200166 / 504041684 | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|-----------------------|-----------------|--------|
| 124 A 1.2 (1966-1973) | 4160878 | |
| PALIO 1.2 8V (1997-) | 5893589 | |

FIAT PASSENGER CAR

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------------------|-----------|-----------|-----------|
| 13-CS577 | 188 A4.000 | 70.8x78.9 | 1.2 | R4 |
| 13-CS578 | 188 A5.000 | 70.8x78.9 | 1.2 | R4 |
| 13-CS579 | 188 A5.000 | 70.8x78.9 | 1.2 | R4 |
| 13-CS515 | 188 A8.000 / 199 A2.000 | 69.6x82.0 | 1.3 | R4 |
| 13-CS580 | 350 A1.000 | 72.0x84.0 | 1.4 | R4 |
| 13-CS581 | 350 A1.000 | 72.0x84.0 | 1.4 | R4 |
| 13-CS582 | 146 C1.000 | 80.5x67.4 | 1.4 | R4 |
| 13-CS514 | 146 D5.000 | 80.5x67.4 | 1.4 | R4 |
| 13-CS514 | 185 A3.000 | 86.4x67.4 | 1.6 | R4 |
| 13-CS583 | 131 A1.000 | 84.0x71.5 | 1.6 | R4 |
| 13-CS584 | M203 AA.16.0 | 84.0x71.5 | 1.6 | R4 |
| 13-CS585 | 159 A3.000 | 86.4x67.4 | 1.6 | R4 |
| 13-CS586 | 198 A2.000 / 198 A6.000 | 79.5x80.5 | 1.6 | R4 |
| 13-CS587 | 182 B9.000 | 82.0x90.4 | 1.9 | R4 |
| 13-CS588 | 223 A6.000 | 82.0x90.4 | 1.9 | R4 |
| 33-CS801 | DHX (XUD9T) | 83.0x88.0 | 1.9 | R4 |
| 13-CS590 | 159 A6.046 | 84.0x90.0 | 2.0 | R4 |
| 13-CS590 | 834 B.000 | 84.0x90.0 | 2.0 | R4 |

FORD PASSENGER CAR

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|--------------------|-------------|-----------|-----------|
| 14-CS820 | F6JA / F6JB | 73.7x82.0 | 1.4 | R4 |
| 14-CS821 | F6JA / F6JB | 73.7x82.0 | 1.4 | R4 |
| 14-CS822 | HWDA / HWDB | 79.0x81.4 | 1.6 | R4 |
| 14-CS822 | FYJA / FYJB | 79.0x81.4 | 1.6 | R4 |
| 14-CS823 | GPDA / GPDC | 75.0x88.3 | 1.6 | R4 |
| 14-CS824 | BHPA | 82.5x82.0 | 1.8 | R4 |
| 14-CS825 | C9DA / C9DB / C9DC | 82.5x82.0 | 1.8 | R4 |
| 14-CS826 | NET / TL20 | 90.83x76.95 | 2.0 | R4 |
| 14-CS827 | H9FA / H9FB / H9FD | 89.9x94.6 | 2.4 | R4 |
| 14-CS828 | 4FA / 4FB | 93.67x90.54 | 2.5 | R4 |
| 26-CS716 | MD25TI (WL) | 93.0x92.0 | 2.5 | R4 |

| CAR/TRUCK TYPE | ORIGINAL REF. N° | REMARK |
|-------------------------------|---------------------|---|
| PALIO 1.2 (1997-) | 5893589 | FORGED |
| PALIO 1.2 16V (2001-) | 71718466 | |
| PALIO 1.2 16V (2001-) | 71718466 | FORGED |
| DOBLO 1.3 JTD (2004-) | 55200307 / 55200308 | FORGED |
| DOBLO 1.4i (2005-) | 71732627 / 71783582 | |
| DOBLO 1.4i (2005-) | 71732627 / 71783582 | FORGED |
| UNO 70 (1989-1992) | 5888226 | |
| FIORINO (1995-2001) | 7588670 | |
| MAREA 1.6 (1997-2002) | 7588670 | |
| 131 1600 cc (1974-1981) | 5990934 | Flywheel: 70 mm. Housing D: 35 mm. Old model |
| 131 1600 cc (1981-1984) | 7670815 | Flywheel: 74 mm. Housing D: 32 mm |
| TEMPRA 1.6 (1990-1996) | 5888226 | |
| BRAVO 1.5 M-Jet (2008-) | 71769903 | |
| DOBLO 1.9 JTD (2001-2004) | 71736266 / 71752788 | |
| DOBLO 1.9 D (2000-2004) | 71736268 | |
| SCUDO 1.9TD (1995-1999) | 9617093288 | |
| TEMPRA 2.0i (1990-1996) | 77330351 | |
| LANCIA THEMA 2.0i (1986-1988) | 77330351 | |

| CAR/TRUCK TYPE | ORIGINAL REF. N° | REMARK |
|--------------------------------|--|--------|
| FIESTA 1.4 TDCi (2001-2008) | 1 152 189 / 1 489 314 / 2S6Q-6303-AA / 2S6Q-6303-AB | |
| FIESTA 1.4 TDCi (2001-2008) | 1 152 189 / 1 489 314 / 2S6Q-6303-AA / 2S6Q-6303-AB | FORGED |
| FOCUS 1.6 (2004-2010) | 1 537 655 / XS6E-6303-BB | |
| FIESTA 1.6 16V (2001-2008) | 6 952 657 / 938M-6303-AC | |
| FOCUS 1.6 TDCi 16V (2004-2010) | 1 456 892 / 7M5Q-6303-AB / 3M5Q- 6303-AA | FORGED |
| CONNECT 1.8 TDCi (2002-) | 1 320 236 / 4M5Q-6303-AA | FORGED |
| FOCUS 1.8 TDCi (1998-2004) | ----- | |
| TAUNUS / SIERRA 2.0 | 1 537 655 / 72HM-6303-JA | |
| TRANSIT 2.4 TDCi (2004-) | 1 134 705 / YC1Q-6303-CB | FORGED |
| TRANSIT 2.5DI (1991-2000) | 1 042 889 / 894F-6303-AA / 894F-6303-AB | |
| RANGER 2.5 D/TD (1999-) | 1 435 060 / 4 118 747 / XM34-6300-BB / XM34-6300-AA | |

FORD TRUCK

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-------------|-----------|-----------|
| 14-CS867 | | 104.8x114.8 | 6.0 | R6 |
| 14-CS868 | | | | R6 |

HINO

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-------------|-----------|-----------|
| 43-CS700 | W04D | 104.0x118.0 | 4.0 | R4 |
| 43-CS701 | J08 | 114.0x130.0 | 8.0 | R6 |

HONDA

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-----------|-----------|-----------|
| 16-CS779 | D16A | 75.0x90.0 | 1.6 | R4 |
| 16-CS780 | D16A | 75.0x90.0 | 1.6 | R4 |
| 16-CS781 | D16A | 75.0x90.0 | 1.6 | R4 |

HOWO

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|---------------|-------------|-----------|-----------|
| 70-CS869 | WD615 (STEYR) | 126.0x130.0 | 9.7 | R6 |

HYUNDAI

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-------------|-----------|-----------|
| 17-CS556 | G4EE | 75.5x78.1 | 1.4 | R4 |
| 17-CS557 | D3EA | 83.0x92.0 | 1.5 | R3 |
| 17-CS558 | D4FA | 75.0x84.5 | 1.5 | R4 |
| 17-CS559 | G4DJ | 75.5x82.0 | 1.5 | R4 |
| 17-CS560 | G4ED | 75.5x87.0 | 1.6 | R4 |
| 17-CS517 | D4BB | 91.1x95.0 | 2.5 | R4 |
| 17-CS518 | D4BH / D4BF | 91.1x95.0 | 2.5 | R4 |
| 17-CS561 | D4BB | 91.1x95.0 | 2.5 | R4 |
| 17-CS500 | D4CB | 91.0x96.0 | 2.5 | R4 |
| 17-CS519 | D4AL / D4AF | 100.0x105.0 | 3.3 | R4 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|------------------------------------|-----------------|--------|
| CARGO 2517 TURBO/2520 INTER-COOLER | 26T-6303AAA | FORGED |
| CARGO 3227 | 4 294 255 | FORGED |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|-----------------|--------|
| | 13411-1592 | |
| | 13411-2241 | FORGED |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|-----------------------|-------------------------------|--|
| CIVIC 1.6 (1987-1995) | 13310-PM6-G01 / 13310-P2E-010 | 8 counter weights / pulley diameter: 24 mm |
| CIVIC 1.6 | | 4 counter weights |
| CIVIC 1.6 | | 8 counter weights / pulley diameter: 28 mm |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|-----------------|--------|
| SINOTRUCK HOWO | 161560020024 | FORGED |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|---------------------------------|-----------------------------|--------|
| ACCENT 1.4 (2005-) | 23111-26400 | |
| ACCENT 1.5 CRDi (2002-) | 23110-27500 | |
| ACCENT 1.5 CRDi (2005-) | 23110-2A601 / 23111-2A701 | |
| ELANTRA 1.5 (1990-1995) | 23111-21050 | |
| ACCENT 1.6 (2006-2009) | 23111-26100-1 / 23111-26100 | |
| H-100 (1994-2000) | 23111-42002 / 23111-42901 | |
| STAREX 2500 (1997-) | 23111-42011 | FORGED |
| 2600 PICKUP | 23111-42902 | FORGED |
| STAREX 2500 CRDi 140 HP (2008-) | 23110-4A000 / 23110-4A010 | |
| HD65 / HD72 / HD78 | 23100-41700 | FORGED |

IFA

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|--------------------|-------------|-----------|-----------|
| 75-CS870 | 4 VD 14,5/12-1 SRW | 120.0x140.5 | 6.6 | R4 |

IHC-CASE

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|--------------|-------------|-----------|-----------|
| 18-CS782 | D155 | 98.4x111.1 | 2.5 | R3 |
| 18-CS783 | D154 | 88.9x101.6 | 2.5 | R4 |
| 18-CS784 | D179 | 98.4x129.5 | 3.0 | R3 |
| 18-CS785 | D188 | 96.8x104.8 | 3.1 | R4 |
| 18-CS786 | D188 | 96.8x104.8 | 3.1 | R4 |
| 18-CS787 | D206 | 98.4x111.1 | 3.4 | R4 |
| 18-CS788 | D207 | 101.6x104.8 | 3.4 | R4 |
| 18-CS789 | D206 | 98.4x111.1 | 3.4 | R4 |
| 18-CS790 | D239 | 98,4x128,5 | 3.9 | R4 |
| 18-CS791 | D268 | 100.0x139.7 | 4.4 | R4 |
| 18-CS792 | D358 | 98.4x128.5 | 5.9 | R6 |
| 18-CS793 | DT402 | 100.0x139.7 | 6.6 | R6 |
| 18-CS794 | D466 | 116.5x118.9 | 7.6 | R6 |
| 18-CS795 | D817 / DT817 | 136.5x | 13.4 | R6 |

ISUZU

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-------------|-----------|-----------|
| 19-CS848 | 4JA1 | 93.0x92.0 | 2.5 | R4 |
| 19-CS849 | 4JK1 EURO 4 | 95.4x87.4 | 2.5 | R4 |
| 19-CS850 | 4JA1 EURO 3 | 93.0x92.0 | 2.5 | R4 |
| 19-CS851 | 4JB1T | 93.0x102.0 | 2.8 | R4 |
| 19-CS852 | 4JB1 | 93.0x102.0 | 2.8 | R4 |
| 19-CS853 | 4JJ1 EURO 4 | 95.4x104.9 | 3.0 | R4 |
| 19-CS854 | 4BC2 | 102.0x110.0 | 3.3 | R4 |
| 19-CS855 | 4BE1 | 105.0x105.0 | 3.6 | R4 |
| 19-CS856 | 4BD1 | 102.0x118.0 | 3.9 | R4 |
| 19-CS857 | 4HF1 | 112.0x110.0 | 4.3 | R4 |
| 19-CS858 | 4HE1 | 110.0x125.0 | 4.8 | R4 |
| 19-CS859 | 6BB1 | 102.0x100.0 | 4.9 | R6 |
| 19-CS858 | 4HK1 | 115.0x125.0 | 5.2 | R4 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|-----------------|-----------------|--------|
| W50 (1965-1990) | 2795971006 | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|------------------------------------|-----------------------------------|---------------------------|
| TRACTOR 423/433/440/453/533/540 | 3059509R1 | |
| TRACTOR 444 | 3110995R91 / 05700AB | |
| TRACTOR 454/484/485/495 | 3055782R92 | |
| | A39150 / A39151 | Bushing |
| | A151015 / 976321 | Splined |
| TRACTOR 654 | 3132968R91 | With balancer gear: 15 mm |
| | A144011 / 976321 | Non turbo |
| TRACTOR 624 | 3055787R92 | With balancer gear: 10 mm |
| TRACTOR 544/684/724/744/784 | 182752R2 / 2744406R1 / 3144626R92 | |
| | 3228376R91 / 218528R2 / 218528R3 | |
| | 3136036R95 / 3059514R1 | |
| | 3218918R91/ 3228424R92 | |
| | 675669 | |
| | 670331C21 / 674969C92 | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|---|--------|
| TFR54 | 8-97190-927-0 / 8-97249-041-0 | |
| D-MAX 2500 | 8-97372-419-1-51 / 8-97372-419-1 / 8-97249-041-0 | |
| D-MAX 2.5 | 8-97943-943-0-51 / 8-97943-0 | FORGED |
| NKR 55E | 8-97331-853-0 / 43 11 381 | FORGED |
| NKR | 8-94443-662-0 / 8-94455-240-1 / 8-97023-662-0 | FORGED |
| D-MAX 3000 | 8-97311-632-1-51 / 8-97311-632-1 | |
| NKR57 / NPR57 | 5-12310-161-0 | |
| NPR58 | 8-94416-373-2 | |
| NPR59 | 5-12310-163-1 | FORGED |
| NPR66 | 8-97112-981-2 / 8-97146-520-2 | FORGED |
| NQR 70 | 8-97352-534-2 | FORGED |
| | 1-12310-445-0 | |
| NPR 70 | 8-97352-534-2 | FORGED |

ISUZU

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-------------|-----------|-----------|
| 19-CS860 | 6BD1 | 102.0x118.0 | 5.8 | R6 |
| 19-CS861 | 6BD1T | 102.0x118.0 | 5.8 | R6 |
| 19-CS862 | 6BG1 | 105.0x125.0 | 6.5 | R6 |
| 19-CS863 | 6HK1 | 115.0x125.0 | 7.8 | R6 |
| 19-CS864 | 6HH1 | 115.0x132.0 | 8.2 | R6 |

JAC

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-----------|-----------|-----------|
| 73-CS871 | CA4DF2 | | 4.8 | R4 |

JCB

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-----------------|-------------|-----------|-----------|
| 74-CS872 | SB / DIESEL MAX | 103.0x132.0 | 4.4 | R4 |

JOHN DEERE

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-----------------------------------|-------------|-----------|-----------|
| 72-CS763 | 4.024T | 86.0x105.0 | 2.4 | R4 |
| 72-CS764 | 3.152 | 98.0x109.9 | 2.5 | R3 |
| 72-CS764 | 3.164 | 102.0x109.9 | 2.7 | R3 |
| 72-CS764 | 3.179 | 106.5x109.9 | 2.9 | R3 |
| 72-CS765 | 3.029 / 3.179 | 106.4x110.0 | 2.9 | R3 |
| 72-CS766 | 4.202 | 98.0x109.9 | 3.3 | R4 |
| 72-CS766 | 4.219 | 102.0x109.9 | 3.6 | R4 |
| 72-CS766 | 4.239 | 106.5x109.9 | 3.9 | R4 |
| 72-CS767 | 4.239 | 106.5x109.9 | 3.9 | R4 |
| 72-CS768 | 4.045 / 4.045T | 106.5x127.0 | 4.5 | R4 |
| 72-CS769 | 4.045D / 4.045H / 4.045T | 106.5x127.0 | 4.5 | R4 |
| 72-CS770 | 4.045D / 4.045H / 4.045T | 106.5x127.0 | 4.5 | R4 |
| 72-CS778 | 4.276D / 4.276T | 106.5x127.0 | 4.5 | R4 |
| 72-CS771 | 6.303 | 98.0x109.9 | 5.0 | R6 |
| 72-CS771 | 6.329 | 102.0x109.9 | 5.4 | R6 |
| 72-CS771 | 6.359 | 106.5x109.9 | 5.9 | R6 |
| 72-CS772 | 6.068 | 106.5x127.0 | 6.8 | R6 |
| 72-CS773 | 6.414D / 6.414T / 6.068D / 6.068T | 106.5x127.0 | 6.8 | R6 |
| 72-CS774 | 6.068D / 6.068H / 6.068T | 106.5x127.0 | 6.8 | R6 |

| CAR/TRUCK TYPE | ORIGINAL REF. N ^o | REMARK |
|----------------|------------------------------|--------|
| | 1-12310-437-0 | |
| | 1-12310-407-0 | FORGED |
| | 1-12310-448-0 | |
| | 8-94396-737-4 | FORGED |
| FSR | 8-97603-003-0 | |

| CAR/TRUCK TYPE | ORIGINAL REF. N ^o | REMARK |
|----------------|------------------------------|--------|
| JAC-1083 | | |

| CAR/TRUCK TYPE | ORIGINAL REF. N ^o | REMARK |
|----------------|------------------------------|--------|
| 3 CX | 320/03107 / 320/09256 | |

| CAR/TRUCK TYPE | ORIGINAL REF. N ^o | REMARK |
|----------------|------------------------------|------------------------------------|
| | RE504879 / RE527590 | |
| | RE46896 / AT18031 | |
| | RE46896 / AT18031 | |
| | RE46896 / AT18031 | |
| | RE50979 / RE31257 / R101223 | |
| | AT18030 / RE33197 | Pulley lenght: 36.00 mm |
| | AT18030 / RE33197 | Pulley lenght: 36.00 mm |
| | AT18030 / RE33197 | Pulley lenght: 36.00 mm |
| | RE20585 / RE36605 | Pulley lenght: 60.00 mm |
| | RE54883 / RE55452 | FORGED |
| | RE50618 / RE504638 | Straight nose |
| | RE506195 | Tapered nose |
| | RE56792 | FORGED |
| | AT22562 / RE45541 | FORGED |
| | AT22562 / RE45541 | FORGED |
| | AT22562 / RE45541 | FORGED |
| | RE52850 | With balancer gear / Straight nose |
| | RE45517 / RE33687 | |
| | RE505921 | Tapered nose |

JOHN DEERE

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-----------------------------------|--------------|-----------|-----------|
| 72-CS775 | 6.404 / 6.076 | 115.9x120.65 | 7.6 | R6 |
| 72-CS776 | 6.081A / 6.068D / 6.068H / 6.068T | 115.8x128.5 | 8.1 | R6 |
| 72-CS777 | 6.081A / 6.068D / 6.068H / 6.068T | 115.8x128.5 | 8.1 | R6 |

KAMAZ

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|---|-------------|-----------|-----------|
| 56-CS555 | 740.11 / 740.13-260 EURO 1 / 740.30 / 740.31-240 EURO 2 | 120.0x120.0 | 10.85 | V8 |
| 56-CS885 | 740.11-240 EURO 1 | 120.0x120.0 | 10.85 | V8 |
| 56-CS504 | 740.50-360 / 740.51-320 / 740.35-400 / 740.37-400 EURO 2 / EURO 3 | 120.0x130.0 | 11.76 | V8 |

KIA

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-----------|-----------|-----------|
| 22-CS796 | HW (R2) | 86.0x94.0 | 2.2 | R4 |
| 22-CS797 | | | 2.4 | R4 |
| 22-CS523 | D4CB | 91.0x96.0 | 2.5 | R4 |
| 22-CS524 | D4BF / D4BH | 91.1x95.0 | 2.5 | R4 |
| 22-CS798 | | | 2.7 | R4 |
| 22-CS799 | | | 3.5 | R4 |
| 22-CS800 | | | 3.6 | R4 |

KOMATSU

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-------------|-----------|-----------|
| 23-CS702 | 4D95 | 95.0x115.0 | 3.3 | R4 |
| 23-CS703 | 4D95L-K1/L1 | 95.0x115.0 | 3.3 | R4 |
| 23-CS704 | 4D106 | 106.0x125.0 | 4.4 | R4 |
| 23-CS705 | 6D95 | 95.0x115.0 | 4.9 | R6 |
| 23-CS706 | S6D102 | 102.0x120.0 | 5.9 | R6 |
| 23-CS707 | 6D105 | 105.0x125.0 | 6.5 | R6 |
| 23-CS708 | 6D108 | 108.0x130.0 | 7.1 | R6 |
| 23-CS709 | 6D110 | 110.0x125.0 | 7.1 | R6 |
| 23-CS710 | S6D114 | 114.0x135.0 | 8.3 | R6 |
| 23-CS711 | S6D125E | 125.0x150.0 | 11.1 | R6 |
| 23-CS712 | 6D125 | 125.0x150.0 | 11.1 | R6 |

| CAR/TRUCK TYPE | ORIGINAL REF. N° | REMARK |
|----------------|--------------------------------|--------------------|
| | RE53422 / RE42671 | With balancer gear |
| | RE55522 / RE535300 | Helical gear |
| | RE530437 / RE534314 / RE505124 | Spur gear |

| CAR/TRUCK TYPE | ORIGINAL REF. N° | REMARK |
|----------------------------------|------------------|--------|
| 53205 / 54115 / 55111 / 65115 | 740.13-1005008 | |
| | 740.13-1005020 | |
| 5360 / 5460 / 6460 / 6520 / 6522 | 740.50-1005008 | |

| CAR/TRUCK TYPE | ORIGINAL REF. N° | REMARK |
|--------------------------|---|--------|
| BESTA 2.2D (1990-1999) | 0R241-11-301 / 0R241-11-301A | |
| BONGO K2400 (1996-2000) | 01456-11-301 | |
| SORENTO 2.5 CRDI (2002-) | 23110-4A000 / 23110-4A010 | |
| BONGO 2500 | 23111-42010 / 23111-42011 / 23111-42012 / 23111-42020 | FORGED |
| BONGO K2700 / PREGIO | 0K65A-11-301 | |
| COBRA 3500 | 0K410-11-301A | |
| COBRA K3600 | 0K47A-11-301A | |

| CAR/TRUCK TYPE | ORIGINAL REF. N° | REMARK |
|----------------|-----------------------------|--------|
| | 6207-31-1100 | |
| | 6204-33-1100 | FORGED |
| | YM123900-21000 | |
| | 6207-31-1110 | FORGED |
| | 6735-01-1310 | FORGED |
| | 6136-31-1010 | FORGED |
| | 6222-31-1100 | FORGED |
| | 6138-31-1010 | FORGED |
| | 6742-01-1570 | FORGED |
| D85-A18 | 6710-31-1111 | |
| | 6151-35-1010 / 6150-31-1012 | FORGED |

KOMATSU

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-------------|-----------|-----------|
| 23-CS713 | 6D140 | 140.0x165.0 | 15.2 | R6 |
| 23-CS714 | 6D155 | 155.0x170.0 | 19.3 | R6 |

KUBOTA

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-----------|-----------|-----------|
| 68-CS668 | | 82.0x82.0 | 1.3 | R3 |
| 68-CS669 | V2203 | 87.0x92.4 | 2.2 | R4 |

LAND ROVER

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|---------------------------------|-------------|-----------|-----------|
| 36-CS553 | 17H | 90.475x97.0 | 2.5 | R4 |
| 36-CS554 | 11L / 16L / 19L / 23L (300 TDI) | 90.475x97.0 | 2.5 | R4 |
| 36-CS525 | 276DT (DT17) | 81.0x88.0 | 2.7 | V6 |
| 36-CS916 | 30DT | 84.0x90.0 | 3.0 | V6 |

LOMBARDINI

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|----------------------|-------------|-----------|-----------|
| 71-CS699 | RF 80-90 (RUGGERINI) | 80.0x76.0 | 0.4 | 1 |
| 71-CS656 | 3LD450 | 85.0x80.0 | 0.5 | 1 |
| 71-CS658 | 3LD450 | 85.0x80.0 | 0.5 | 1 |
| 71-CS661 | 3LD450 | 85.0x80.0 | 0.5 | 1 |
| 71-CS657 | 3LD510 | 85.0x90.0 | 0.5 | 1 |
| 71-CS659 | 3LD510 | 85.0x90.0 | 0.5 | 1 |
| 71-CS660 | 3LD510 | 85.0x90.0 | 0.5 | 1 |
| 71-CS662 | 7LD 710 | 90.0x94.0 | 0.6 | 1 |
| 71-CS663 | 7LD 740 | 100.0x94.0 | 0.7 | 1 |
| 71-CS664 | 9LD 625-2/626-2 | 95.0x88.0 | 1.25 | R2 |
| 71-CS665 | 8LD 665-2 | 95.0x94.0 | 1.3 | R2 |
| 71-CS666 | 5LD 675-2 | 95.0x95.0 | 1.3 | R2 |
| 71-CS667 | 5LD 825-2 | 100.0x105.0 | 1.6 | R2 |

MAN

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------------|-------------|-----------|-----------|
| 25-CS549 | D0824 | 108.0x125.0 | 4.6 | R4 |
| 25-CS886 | D0834 LOH01-LOH03 | 108.0x125.0 | 4.6 | R4 |
| 25-CS548 | D0826 | 108.0x125.0 | 6.9 | R6 |

| CAR/TRUCK TYPE | ORIGINAL REF. N ^o | REMARK |
|----------------|------------------------------|--------|
| | 6211-31-1010 | |
| | 6127-31-1012 | FORGED |

| CAR/TRUCK TYPE | ORIGINAL REF. N ^o | REMARK |
|--------------------|------------------------------|--------|
| L295/295DT TRACTOR | 1532-23010 | |
| BOBCAT | 16641-23010 | |

| CAR/TRUCK TYPE | ORIGINAL REF. N ^o | REMARK |
|-----------------------------|------------------------------|--------|
| DEFENDER 2.5 PETROL | ETC8829 / ERR1181 | |
| DEFENDER / DISCOVERY 2.5TDI | ERR2112 | |
| DISCOVERY 2.7 V6 TD | 4U3GA3 | FORGED |
| RANGE ROVER SORT 3.0 V6 TD | | FORGED |

| CAR/TRUCK TYPE | ORIGINAL REF. N ^o | REMARK |
|----------------|------------------------------|----------------------------|
| | A1250 | |
| | 1051068 | FORGED / Short type - left |
| | 1053097 | Short type - right |
| | 1050055 | Long type - left |
| | 1052095 | Long type - right |
| | 1051082 | Short type - left |
| | 2921051005 | Long type - right |
| | 1052019 / 1052022 | |
| | 1050175 | |
| | 1050785 | |
| | 1052015 | |
| | 1050188 | |
| | 1050190 | |

| CAR/TRUCK TYPE | ORIGINAL REF. N ^o | REMARK |
|-------------------|--|----------------------------------|
| MAN 10.253/10.254 | 51.02101.7737 / 51.02100.6025 | |
| | 51.02101.6097 / 51.02101.6099 / 51.02101.6070 | With gear wheel for mass balance |
| | 51.02101.7735 / 51.02101.6088 | FORGED |

MAN

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-------------|-----------|-----------|
| 25-CS505 | D0836 | 108.0x128.0 | 7.0 | R6 |
| 25-CS887 | D2565 | 125.0x155.0 | 9.5 | R5 |
| 25-CS887 | D2865 | 128.0x155.0 | 10.0 | R5 |
| 25-CS888 | D2156 | 121.0x150.0 | 10.3 | R6 |
| 25-CS551 | D2066 | 120.0x155.0 | 10.5 | R6 |
| 25-CS888 | D2356 | 123.0x150.0 | 10.7 | R6 |
| 25-CS550 | D2566 | 125.0x155.0 | 11.4 | R6 |
| 25-CS889 | D2566 | 125.0x155.0 | 11.4 | R6 |
| 25-CS508 | D2866 | 128.0x155.0 | 12.0 | R6 |
| 25-CS550 | D2866 | 128.0x155.0 | 12.0 | R6 |
| 25-CS552 | D2866 | 128.0x155.0 | 12.0 | R6 |
| 25-CS509 | D2876 | 128.0x166.0 | 12.8 | R6 |
| 25-CS890 | D2538 | 125.0x130.0 | 12.8 | V8 |
| 25-CS891 | D2848 | 128.0x142.0 | 14.6 | V8 |
| 25-CS892 | D2530 | 125.0x130.0 | 16.0 | V10 |
| 25-CS893 | D2840 | 128.0x142.0 | 18.3 | V10 |
| 25-CS894 | D2842 | 128.0x142.0 | 22.0 | V12 |

MAZDA

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-----------|-----------|-----------|
| 26-CS715 | R2 | 86.0x94.0 | 2.2 | R4 |
| 26-CS716 | WL-T | 93.0x92.0 | 2.5 | R4 |

MERCEDES-BENZ LIGHT COMMERCIAL VEHICLE

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|--------------|-----------|-----------|-----------|
| 27-CS526 | OM611 | 88.0x88.3 | 2.15 | R4 |
| 27-CS510 | OM646 | 88.0x88.3 | 2.15 | R4 |
| 27-CS527 | OM651 EURO 5 | 83.0x99.0 | 2.15 | R4 |
| 27-CS501 | OM651 EURO 5 | 83.0x99.0 | 2.15 | R4 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|---|---|
| | 51.02101.6022 / 51.02101.0608 / 51.02101.6090 | FORGED |
| | 51.02101.6029 / 51.02101.6049 / 51.02101.7392 / 51.02101.7517 | No for mass balance |
| | 51.02101.6029 / 51.02101.6049 / 51.02101.7392 / 51.02101.7517 | No for mass balance |
| | 51.02101.7123 | |
| | 51.02101.0673 / 51.02101.0690 / 51.02101.0671 | FORGED |
| | 51.02101.7123 | |
| | 51.02101.7515 / 51.02101.7613 | FORGED / 4 counter weights fastened with bolts |
| | 51.02101.7390 / 51.02101.7405 | 8 counter weights |
| TGA EURO2 | 51.02100.6019 / 51.02101.6037 / 51.02101.6043 / 51.02100.6081 | FORGED / 8 integrated counter weights |
| | 51.02101.6037 / 51.02101.7515 / 51.02101.7613 / 51.02101.7708 / 51.02101.7741 | FORGED / 4 counter weights fastened with bolts |
| | 51.02101.7405 / 51.02101.7390 | FORGED |
| TGA 460 | 51.02100.6018 / 51.02101.6038 / 51.02101.6044 / 51.02101.6082 / 51.02101.7706 | FORGED |
| | 51.02101.7204 | |
| | 51.02101.7599 | |
| | 51.02101.7205 | |
| | 51.02101.7243 / 51.02101.7600 | |
| | 51.02101.7601 | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|-----------------------|---------------------------|--------|
| E2200 MINIBUS / B2200 | R2Y1-11-300 | |
| B2500 | WL01-11-300 / WL02-11-300 | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|---------------------------------|---------------------------------|---------------------------|
| SPRINTER / VITO | A611 031 02 01 / A611 031 05 01 | FORGED / With 2 keyways |
| SPRINTER / VITO EURO 3 / EURO 4 | A646 031 04 01 | FORGED / With 1 keyway |
| | A651 030 04 01 / A651 030 07 01 | FORGED / 8 counterweights |
| | A651 030 24 01 / A651 030 25 01 | FORGED / 4 counterweights |

MERCEDES-BENZ LIGHT COMMERCIAL VEHICLE

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-----------|-----------|-----------|
| 27-CS895 | OM601 | 89.0x92.4 | 2.3 | R4 |
| 27-CS896 | OM602 LA | 89.0x92.4 | 2.9 | R5 |

MERCEDES-BENZ TRUCK & BUS

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-----------------|-------------|-----------|-----------|
| 27-CS897 | OM314 | 97.0x128.0 | 3.8 | R4 |
| 27-CS898 | OM314 /A | 97.0x128.0 | 3.8 | R4 |
| 27-CS899 | OM314 /A | 97.0x128.0 | 3.8 | R4 |
| 27-CS901 | OM314 /A | 97.0x128.0 | 3.8 | R4 |
| 27-CS902 | OM364 /A/LA | 97.5x133.0 | 4.0 | R4 |
| 27-CS903 | OM904 LA | 102.0x130.0 | 4.25 | R4 |
| 27-CS904 | OM904 LA | 102.0x130.0 | 4.25 | R4 |
| 27-CS905 | OM924 LA | 106.0x136.0 | 4.8 | R4 |
| 27-CS539 | OM352 | 97.0x128.0 | 5.7 | R6 |
| 27-CS540 | OM352 | 97.0x128.0 | 5.7 | R6 |
| 27-CS906 | OM352 | 97.0x128.0 | 5.7 | R6 |
| 27-CS907 | OM352 | 97.0x128.0 | 5.7 | R6 |
| 27-CS908 | OM352 | 97.0x128.0 | 5.7 | R6 |
| 27-CS538 | OM366 A/LA | 97.5x133.0 | 6.0 | R6 |
| 27-CS528 | OM906 | 102.0x130.0 | 6.4 | R6 |
| 27-CS534 | OM906 LA | 102.0x130.0 | 6.4 | R6 |
| 27-CS909 | OM926 LA | 106.0x136.0 | 7.2 | R6 |
| 27-CS537 | OM360 | 115.0x140.0 | 8.7 | R6 |
| 27-CS910 | OM409 | 125.0x150.0 | 9.2 | R5 |
| 27-CS530 | OM401 LA EURO 1 | 125.0x130.0 | 9.6 | V6 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|--|---|
| | A601 030 06 01 / A601 030 08 01 / A601 031 32 01 | BM 601.940-943 |
| | A602 030 08 01 / A601 031 25 01 | BM 602.980 / 982-985 |
| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
| | A314 030 33 02 | |
| | A314 030 20 02 / A314 030 32 02 / A314 030 52 05 / A314 030 55 02 / A314 030 61 02 | With integrated counterweights / with oil return thread |
| | A314 030 33 02 / A314 030 55 02 / A314 030 60 02 | With counterweights fastened with bolts / with Borgmann ring |
| | A314 030 62 02 | With integrated counterweights / with Borgmann ring |
| | A364 030 07 02 / A364 030 11 02 / A364 030 13 02 / A364 030 14 02 | With integrated counterweights |
| | A904 030 07 02 | Flywheel flange D: 98.0 mm |
| | A904 030 10 02 | Flywheel flange D: 103.0 mm |
| | A924 030 00 02 | |
| | A352 030 37 02 / A352 030 46 02 / A352 030 58 02 / A352 030 70 02 | FORGED / knurled-counterweights fastened with bolts / with Borgmann ring |
| | A352 030 34 02 / A352 030 15 02 / A352 030 56 01 / A352 030 68 02 | FORGED / scrolled-counterweights fastened with bolts / with oil return thread |
| | A352 030 74 02 | Counterweights fastened with bolts / with oil return thread |
| | A352 030 78 02 | Counterweights fastened with bolts / with Borgmann ring |
| | A352 030 80 02 | With integrated counterweights / with Borgmann ring |
| | A366 030 07 02 / A366 030 11 02 / A366 030 16 02 | FORGED |
| | A906 030 03 02 / A906 030 09 02 | FORGED / flywheel flange D: 98.0 mm |
| Axor | A906 030 05 02 / A906 030 11 02 | FORGED / flywheel flange D: 103.0 mm |
| | A926 030 03 02 | |
| | A360 030 16 01 / A360 030 12 01 / A360 030 01 01 | |
| | A409 030 11 01 | |
| | A401 030 19 01 / A401 030 15 01 / A401 030 21 01 | FORGED |

MERCEDES-BENZ TRUCK & BUS

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------------------|-------------|-----------|-----------|
| 27-CS911 | OM421 | 128.0x142.0 | 11.0 | V6 |
| 27-CS529 | OM421 | 128.0x142.0 | 11.0 | V6 |
| 27-CS531 | OM441 A/LA | 128.0x142.0 | 11.0 | V6 |
| | OM441 A/LA | 128.0x142.0 | 11.0 | V6 |
| 27-CS535 | OM355 | 128.0x150.0 | 11.6 | R6 |
| 27-CS541 | OM355 A | 128.0x150.0 | 11.6 | R6 |
| 27-CS912 | OM407 | 125.0x150.0 | 11.0 | R6 |
| 27-CS542 | OM541 (OM501 LA) | 130.0x150.0 | 11.9 | V6 |
| 27-CS543 | OM457 | 128.0x155.0 | 12.0 | R6 |
| 27-CS544 | OM457 | 128.0x155.0 | 12.0 | R6 |
| 27-CS545 | OM447 A/LA / OM427 A/LA | 128.0x155.0 | 12.0 | R6 |
| 27-CS532 | OM402 | 125.0x130.0 | 12.8 | V8 |
| 27-CS533 | OM422 | 128.0x142.0 | 14.2 | V8 |
| 27-CS546 | OM442 A/LA | 128.0x142.0 | 14.6 | V8 |
| 27-CS913 | OM442 A/LA | 128.0x142.0 | 14.6 | V8 |
| 27-CS914 | OM542 (OM502 LA) | 130.0x150.0 | 16.0 | V8 |
| 27-CS536 | OM403 | 125.0x130.0 | 16.0 | V10 |
| 27-CS915 | OM423 A/LA | 128.0x142.0 | 18.3 | V10 |
| 27-CS547 | OM424 / OM444 | 128.0x142.0 | 22.0 | V12 |

mitsubishi

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-------------|-----------|-----------|
| 29-CS591 | 4D55 | 91.1x90.0 | 2.3 | R4 |
| 29-CS594 | 4D56 | 91.1x95.0 | 2.5 | R4 |
| 29-CS599 | 4D56TCI | 91.1x95.0 | 2.5 | R4 |
| 29-CS516 | 4M40T | 95.0x100.0 | 2.8 | R4 |
| 29-CS516 | 4M40T | 95.0x100.0 | 2.8 | R4 |
| 29-CS598 | 4M42T | 95.0x105.0 | 3.0 | R4 |
| 29-CS593 | 4D31 | 100.0x105.0 | 3.3 | R4 |
| 29-CS593 | 4D32 | 104.0x105.0 | 3.6 | R4 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|--------------------|--|--|
| | A421 030 25 01 | Width of big end bearing 31 mm |
| | A421 030 24 01 / A421 030 17 01 | |
| | A441 030 17 01 / A441 030 22 01 | FORGED |
| | A441 030 21 01 | Width of big end bearing 26.7 mm |
| | A355 030 67 01 | FORGED / Flange: 8 bolt holes / 1 dowel |
| | A355 030 68 01 | FORGED / Flange: 12 bolt holes / 1 dowel |
| | A407 030 16 01 | 4 counterweights |
| | A541 030 02 01 / A541 030 06 01 / A541 030 08 01 / A541 030 27 01 / A541 030 18 01 | FORGED |
| AXOR EURO 3 | A457 030 02 01 / A496 030 00 01 | FORGED |
| AXOR EURO 4/EURO 5 | A457 030 42 01 / A457 030 05 01 | FORGED |
| | A447 030 07 01 / A447 030 08 01 / A447 030 09 01 / A407 030 24 01 / A496 030 02 01 | FORGED |
| | A402 030 23 01 / A402 030 32 01 | FORGED |
| | A422 030 37 01 / A422 030 43 01 / A422 030 44 01 | FORGED |
| | A442 030 08 01 / A442 030 03 01 | FORGED |
| | A442 030 09 01 / A442 030 04 01 | BM 442.985 / 989 / 992-994 / 996-999 |
| | A542 030 05 01 | |
| | A403 030 30 01 | FORGED |
| | A423 030 15 01 / A423 030 33 01 / A423 030 34 01 | |
| | A444 030 10 01 / A444 030 07 01 / A444 030 05 01 | FORGED |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|------------------------------|---------------------|--------|
| L300 | MD102601 / MD376960 | |
| L300 | MD374408 / MD374409 | FORGED |
| L200 2.5TDi (2008-) | 1100A028 / 1100A135 | FORGED |
| CANTER 511-711 | ME203551 | FORGED |
| PAJERO 2.8TD | ME203551 | |
| CANTER 859 EURO 4 | ME193484 | FORGED |
| CANTER FE444 / FE304 / FB211 | ME013667 / ME012350 | FORGED |
| CANTER FE444 / FE304 / FB211 | ME013667 / ME012350 | FORGED |

MITSUBISHI

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-------------|-----------|-----------|
| 29-CS597 | 4D32 | 104.0x105.0 | 3.6 | R4 |
| 29-CS595 | 4D34A | 104.0x115.0 | 3.9 | R4 |
| 29-CS596 | 4D34T | 104.0x115.0 | 3.9 | R4 |
| 29-CS592 | 4D34 | 104.0x115.0 | 3.9 | R4 |
| 29-CS595 | 4D33 | 108.0x115.0 | 4.2 | R4 |

MWM/FENDT

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|------------------|-------------|-----------|-----------|
| 04-CS720 | D225-3 | 95.0x120.0 | 2.55 | R3 |
| 04-CS719 | D226-3 / TD226-3 | 105.0x120.0 | 3.1 | R3 |
| 04-CS717 | D225-4 | 95.0x120.0 | 3.4 | R4 |
| 04-CS721 | D226-4 | 105.0x120.0 | 4.15 | R4 |
| 04-CS718 | D226-6 | 95.0x120.0 | 5.1 | R6 |

NISSAN

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|------------|-----------|-----------|
| 30-CS601 | GA16DE | 76.0x88.0 | 1.6 | R4 |
| 30-CS521 | YD25 | 89.0x100.0 | 2.5 | R4 |
| 30-CS600 | TD27 | 96.0x92.0 | 2.7 | R4 |

OPEL

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|--------------------|-----------|-----------|-----------|
| 13-CS515 | Z13DT (188 A8.000) | 69.6x82.0 | 1.3 | R4 |
| 31-CS760 | Z16XE | 79.5x81.0 | 1.6 | R4 |
| 31-CS761 | X16XEL | 79.5x81.0 | 1.6 | R4 |
| 31-CS762 | C16LZ | 79.5x81.0 | 1.6 | R4 |
| 31-CS759 | X20SE | 86.0x86.0 | 2.0 | R4 |

PERKINS

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|------------|-----------|-----------|
| 32-CS734 | 4.108 | 79.38x88.6 | 1.8 | R4 |
| 32-CS738 | 404C-2.2 | 84.0x100.0 | 2.2 | R4 |
| 32-CS746 | 404C-2.2 | 84.0x100.0 | 2.2 | R4 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|---------------------------------|-----------------|--------|
| CANTER FE515 | ME017152 | FORGED |
| CANTER FE659 | ME018297 | FORGED |
| CANTER 659 | ME017354 | |
| CANTER HD FE449 / FE635 / FE639 | ME013668 | FORGED |
| CANTER FE659 | ME018297 | FORGED |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|-----------------|----------------------------|
| | 63250140030 | Piston pin: 32 mm |
| | 62280140033 | FORGED / Piston pin: 35 mm |
| | 922681400016 | |
| | 12272491 | FORGED |
| | 12272497 | FORGED |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|---|---------------------------|--------|
| PRIMERA 1.6i (1993-2001) / SUN- NY 1.6 (1992-2000) | 12201-77A00 / 12201-0M300 | |
| NAVARA 2.5 (2005-) / PARTHFIND- ER 2.5DTI (2005-) | 12200-AD210 / 12200-AD21A | |
| TERRANO 2.7 TD (1989-2002) | 12200-60J00 / 12200-60J10 | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|---------------------------|---------------------------------|--------|
| CORSA 1.3CDTi (2003-) | 0614044 / 93177281 | FORGED |
| VECTRA/ASTRA/ZAFIRA 1.6 | 24455076 / 06 14 026 | |
| VECTRA/ASTRA 1.6 | 90448704 / 06 14 018 | |
| VECTRA 1.6 (1992-1995) | 90500609 / 90297267 / 06 14 120 | |
| VECTRA B 2.0i (1994-1998) | 0614102 / 90512516 | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|-----------------------|------------------------------|
| | ZZ90124 / ZZ90160 | |
| | 115256990 / 115256750 | Keyed / flange: 6 bolt holes |
| | 115236110 | Keyed / flange: 6 bolt holes |

PERKINS

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------------------|--------------|-----------|-----------|
| 32-CS722 | 3.152 | 91.48x126.9 | 2.5 | R3 |
| 32-CS723 | 3.152 | 91.48x126.9 | 2.5 | R3 |
| 32-CS725 | 3.152 | 91.48x126.9 | 2.5 | R3 |
| 32-CS726 | 3.152 | 91.48x126.9 | 2.5 | R3 |
| 32-CS727 | 3.152 | 91.48x126.9 | 2.5 | R3 |
| 32-CS728 | 3.152 | 91.48x126.9 | 2.5 | R3 |
| 32-CS729 | 3.152 | 91.48x126.9 | 2.5 | R3 |
| 32-CS740 | 4.192 | 88.925x126.8 | 3.1 | R4 |
| 32-CS724 | 1103 / 1103B-33 / 1103T | 105.0x127.0 | 3.3 | R3 |
| 32-CS735 | 4.203 | 91.44x127 | 3.33 | R4 |
| 32-CS736 | 4.203 | 91.44x127 | 3.33 | R4 |
| 32-CS740 | 4.203 | 91.44x126.8 | 3.33 | R4 |
| 32-CS732 | 4.212 | 98.48x114 | 3.5 | R4 |
| 32-CS737 | 4.212 | 98.48x114 | 3.5 | R4 |
| 32-CS730 | 4.236 | 98.48x126.8 | 3.9 | R4 |
| 32-CS731 | 4.236 | 98.48x126.8 | 3.9 | R4 |
| 32-CS733 | 4.236 | 98.48x126.8 | 3.9 | R4 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|--|---|
| | ZZ90148 / ZZ90084 / ZZ90023 / 4222037M91 / U5BG0012 / U5BG0031 / 3688309M91 / 84402 / 3637454M91 | FORGED / with oil return thread / without counterweight / snout: 1 hole, keyed / flange: 6 holes, 1 dowel |
| | ZZ90148 / ZZ90084 / ZZ90023 / 4222037M91 / U5BG0012 / U5BG0031 / 3688309M91 / 84402 / 3637454M91 | FORGED / with oil return thread / with counterweight / snout: 1 hole, keyed / flange: 6 holes, 1 dowel |
| | ZZ90019 / 94458 / U5BG0027 / 3637410M91 / 3641858M91 | FORGED / Lip seal / without counter- weight / snout: 1 hole / keyed / flange: 6 holes / 1 dowel |
| | ZZ90019 / 94458 / U5BG0027 / 3637410M91 / 3641858M91 | FORGED / Lip seal / with counter- weight / snout: 1 hole / keyed flange: 6 holes / 1 dowel |
| | ZZ90117 / 4227320M91 / 3637409M91 | Lip seal / without counterweight / snout: 1 hole / keyed splined flange: 6 holes, 1 dowel |
| | ZZ90117 / 4227320M91 / 3637409M91 | FORGED / Lip seal / without counter- weight / snout: 1 hole / keyed splined flange: 6 holes, 1 dowel |
| | ZZ90117 / ZZ90075 / 31312702 / 94463 | FORGED / Lip seal / with counter- weight / snout: 1 hole / keyed splined flange: 6 holes, 1 dowel |
| | 94441 / 94454 / 3637405M91 / 637458M91 | FORGED / oil return thread metric / With counterweight / snout: 1 hole / keyed / flange: 6 holes, 1 dowel |
| | 4181V017 | Lip seal / snout: 3 holes / keyed / splined / flange: 6 holes, 1 dowel |
| | ZZ90111 / 3637458M91 / 94455 | FORGED / Lip seal / snout: 1 hole / keyed / flange: 6 holes, 1 dowel |
| | U5BG0017/ 3638473M91 / 85811 / 92485 / 3637752M91 | FORGED / oil return thread / snout: 1 hole / keyed / flange: 6 holes, 1 dowel |
| | 94441 / 94454 / 3637405M91 / 637458M91 | FORGED / oil return thread metric / With counterweight / snout: 1 hole / keyed / flange: 6 holes, 1 dowel |
| | ZZ90100 / ZZ90076 / 85719 / 3637457M91 / 4226479M91 | With oil return thread / snout: 1 hole / splined / keyed / flange: 6 holes, 1 dowel |
| | ZZ90077 / 94437 / 4227066E91 | Lip seal / snout: 1 hole / splined / keyed / flange: 6 holes, 1 dowel |
| | 94435 / 94436 / U5BG0019 | Lip seal / snout: 1 hole / splined / keyed / flange: 6 holes, 1 dowel |
| | 94435 / 94436 / U5BG0019 | FORGED / Lip seal / snout: 1 hole / splined / keyed / flange: 6 holes, 1 dowel |
| | ZZ90093 / U5BG0054 / 3637789M91 / 84422 / 85821 | FORGED / oil return thread / snout: 1 hole / splined / keyed / flange: 6 holes, 1 dowel |

PERKINS

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|----------------|--------------|-----------|-----------|
| 32-CS739 | 4.236 | 98.48x126.8 | 3.9 | R4 |
| 32-CS741 | 4.236 | 98.48x126.8 | 3.9 | R4 |
| 32-CS742 | T4.236 | 98.48x126.8 | 3.9 | R4 |
| 32-CS745 | 4.236 / T4.236 | 98.48x126.8 | 3.9 | R4 |
| 32-CS730 | 4.248 | 101.05x126.8 | 4.1 | R4 |
| 32-CS731 | 4.248 | 101.05x126.8 | 4.1 | R4 |
| 32-CS733 | 4.248 | 101.05x126.8 | 4.1 | R4 |
| 32-CS739 | 4.248 | 101.05x126.8 | 4.1 | R4 |
| 32-CS743 | 1104 | 105.0x127.0 | 4.4 | R4 |
| 32-CS744 | 1104 | 105.0x127.0 | 4.4 | R4 |
| 32-CS747 | 6.354-4 | 98.48x126.8 | 5.8 | R6 |
| 32-CS748 | 6.354-4 | 98.48x126.8 | 5.8 | R6 |
| 32-CS749 | 6.354-2 | 98.48x126.8 | 5.8 | R6 |
| 32-CS750 | 6.354-2 | 98.48x126.8 | 5.8 | R6 |

PEUGEOT

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-----------|-----------|-----------|
| 33-CS802 | DV4TD | 73.7x82.0 | 1.4 | R4 |
| 33-CS803 | DV4TD | 73.7x82.0 | 1.4 | R4 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|--|--|
| | ZZ90238 / ZZ90143 / 94434 / m3637402M91 / 4227066M91 / 641031M91 | FORGED / Lip seal / snout: 3 holes / splined / keyed / flange: 6 holes, 1 dowel |
| | ZZ90238 / ZZ90202 / ZZ90143 / ZZ90081 / ZZ90082 / 4223939M91 / U5BG0052 / 4227066M91 | FORGED / Lip seal / snout: 3 holes / splined / keyed / flange: 10 holes, 1 dowel |
| | ZZ90238 / ZZ90202 / ZZ90143 / ZZ90081 / ZZ90082 / 4223939M91 / U5BG0052 / 4227066M91 | FORGED / Lip seal / snout: 1 hole / splined / keyed / flange: 6 holes, 1 dowel |
| | ZZ90238 / ZZ90202 / ZZ90143 / ZZ90081 / ZZ90082 / 4223939M91 / U5BG0052 / 4227066M91 | FORGED / Snout: 3 holes / splined / keyed / flange: 6 holes, 1 dowel |
| | 94435 / 94436 / U5BG0019 | Lip seal / snout: 1 hole / splined / keyed / flange: 6 holes, 1 dowel |
| | 94435 / 94436 / U5BG0019 | FORGED / Lip seal / snout: 1 hole / splined / keyed / flange: 6 holes, 1 dowel |
| | | FORGED / oil return thread / snout: 1 hole / splined / keyed / flange: 6 holes, 1 dowel |
| | ZZ90238 / ZZ90143 / 94434 / m3637402M91 / 4227066M91 / 641031M91 | FORGED / Lip seal / snout: 3 holes / splined / keyed / flange: 6 holes, 1 dowel |
| | ZZ90214 / ZZ90222 / ZZ90224 / ZZ90239 / 4225085M91 / 4227020M91 / 4225086M91 | Lip seal / snout: 3 holes / splined / keyed / flange: 10 holes, 1 dowel |
| | ZZ90214 / ZZ90222 / ZZ90224 / Z90239 / 4225085M91 / 4227020M91 / 225086M91 | Lip seal / snout: 3 holes / splined / keyed / flange: 6 holes, 1 dowel |
| | ZZ90086 / U5BG0035 / 3637404M91 / 4224054M91 / | Lip seal / snout: 3 holes / 2 keyed / flange: 12 holes |
| | ZZ90086 / U5BG0035 / 3637404M91 / 4224054M91 / | FORGED / Lip seal / snout: 3 holes / 2 keyed / flange: 12 holes |
| | ZZ90089 / U5BG0045 / 85727 86794 / 84425 / 94448 | FORGED / with oil return thread / snout: 1 hole / splined / keyed / flange: 6 holes, 1 dowel |
| | U5BG0048 / 94460 / 94468 | FORGED / Lip seal / snout: 1 hole / keyed / flange: 12 holes |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|---|-------------------------|--------|
| 206 1.4HDi (2001-) / 207 1.4HDi (2006-) / 307 1.4HDi (2002-2005) | 0501.J9 / 98 009 935 80 | |
| 206 1.4HDi (2001-) / 207 1.4HDi (2006-) / 307 1.4HDi (2002-2005) | 0501.J9 / 98 009 935 80 | FORGED |

PEUGEOT

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|----------------|------------|-----------|-----------|
| 33-CS805 | TU3JP | 75.0x77.0 | 1.4 | R4 |
| 33-CS810 | DV6TED4 | 75.0x88.3 | 1.6 | R4 |
| 33-CS809 | XUD7T | 80.0x88.0 | 1.8 | R4 |
| 33-CS801 | XUD9T / XUD9TE | 83.0x88.0 | 1.9 | R4 |
| 33-CS809 | DW8 | 82.2x88.0 | 1.9 | R4 |
| 33-CS801 | DW10TD | 85.0x88.0 | 2.0 | R4 |
| 33-CS806 | 4HU (P22DTE) | 86.0x94.6 | 2.2 | R4 |
| 33-CS804 | XD3P | 94.0x90.0 | 2.5 | R4 |
| 33-CS807 | DJ5 / DJ5T | 92.0x92.0 | 2.5 | R4 |
| 20-CS808 | 8140.43N | 94.4x100.0 | 2.8 | R4 |

RENAULT

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-----------|-----------|-----------|
| 35-CS606 | C1J | 76.0x77.0 | 1.4 | R4 |
| 35-CS612 | E6J / E7J | 75.8x77.0 | 1.4 | R4 |
| 35-CS617 | K7J | 79.5x70.0 | 1.4 | R4 |
| 35-CS608 | K9K | 76.0x80.5 | 1.5 | R4 |
| 35-CS609 | K9K | 76.0x80.5 | 1.5 | R4 |
| 35-CS604 | F8M | 78.0x83.5 | 1.6 | R4 |
| 35-CS605 | C2L | 77.0x84.0 | 1.6 | R4 |
| 35-CS615 | K7M | 79.5x80.5 | 1.6 | R4 |
| 35-CS616 | K7M | 79.5x80.5 | 1.6 | R4 |
| 35-CS602 | F2N | 81.0x83.5 | 1.7 | R4 |
| 35-CS610 | F8Q | 80.0x93.0 | 1.9 | R4 |
| 35-CS614 | F8Q | 80.0x93.0 | 1.9 | R4 |
| 35-CS502 | F9Q | 80.0x93.0 | 1.9 | R4 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|---|-----------------------------|--------|
| 206 1.4i (1998-2005) / PARTNER 1.4i (1998-) | 0501.J5 | |
| PARTNER 1.6HDi (2005-) / 206 1.6HDi (2004-) / 308 1.6HDi (2007-) | 0501.K6 / 98 009 930 80 | FORGED |
| 205 1.8TD (1990-1998) | 0501.H1 | |
| 406 1.9TD (1995-) / EXPERT 1.9TD (1996-) | 0501.G3 / 0501.K7 / 0501.N8 | |
| PARTNER 1.9D (1998-2002) | 0501.H1 | |
| PARTNER 2.0HDi (1999-2005) / 307 2.0 HDi (2000-2005) / EXPERT 2.0 Hdi (1999-) | 0501.G3 / 0501.K7 / 0501.N8 | |
| BOXER 2.2HDi (2006-) | 0501.L1 / 0501.N9 | FORGED |
| J9 2.5D (1982-1987) | 0501.88 / 0501.88.04 | |
| BOXER 2.5D / 2.5TD (1994-2002) | 0501.G2 | |
| BOXER 2.8HDi (2004-) | 0501.H6 | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|---|---|---|
| R4GTL / R12 | 77 00 564 485 | |
| CLIO 1.4 (1990-1998) / KANGOO 1.4 (1998-) / EXPRESS 1.4 (1986-1997) | 77 00 273 951 / 77 00 747 601 | |
| LOGAN/SANDERO 1.4 (2004-) | 77 00 105 831 / 82 00 416 789 | |
| CLIO 1.5 dCi (2001-) | 82 00 382 457 | FORGED / old model - front nose bolt: M12 |
| CLIO 1.5 dCi (2001-) | 82 00 382 457 | FORGED / new model - front nose bolt: M14 |
| R9 1.6D / R11 1.6D | 77 00 704 658 / 77 00 870 147 / 77 00 101 174 | |
| R9 / R11 | 77 02 252 575 | |
| LOGAN/SANDERO 1.6 8V (2004-) | 82 00 416 793 / 77 00 273 357 / 77 00 273 361 | |
| LOGAN/SANDERO 1.6 8V (2004-) | 82 00 416 793 / 77 00 273 357 / 77 00 273 361 | FORGED |
| R9 / R11 | 77 00 704 658 / 77 00 870 147 / 77 00 101 174 | |
| KANGOO 1.9D (1997-) | 77 00 111 883 | |
| KANGOO 1.9D (1997-) | 77 00 111 886 | |
| TRAFIC 1.9 dCi (2001-) / KANGOO 1.9 dTi (2000-) | 82 00 037 836 | |

RENAULT

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|------------|-----------|-----------|
| 35-CS613 | F9Q | 80.0x93.0 | 1.9 | R4 |
| 35-CS603 | F3P | 82.7x83.5 | 2.0 | R4 |
| 35-CS618 | M9R | 84.0x90.0 | 2.0 | R4 |
| 35-CS607 | G9T | 87.0x92.0 | 2.2 | R4 |
| 35-CS619 | M9T | 85.0x101.3 | 2.3 | R4 |
| 35-CS611 | G9U | 89.0x99.0 | 2.5 | R4 |

RVI

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|----------------|-------------|-----------|-----------|
| 35-CS654 | MIDR 06.02.26 | 102.0x126.0 | 6.2 | R6 |
| 35-CS653 | DXi11 | 123.0x152.0 | 10.8 | R6 |
| 35-CS652 | DCi11 C | 123.0x153.0 | 10.9 | R6 |
| 35-CS651 | MIDR 06.23.56 | 123.0x156.0 | 11.12 | R6 |
| 35-CS647 | MIDR 06.35.40 | 135.0x140.0 | 12.0 | R6 |
| 35-CS648 | MIDR 06.35.40 | 135.0x140.0 | 12.0 | R6 |
| 35-CS649 | MIDR 06.35.40H | 135.0x140.0 | 12.0 | R6 |
| 35-CS650 | MIDR 06.35.40 | 135.0x140.0 | 12.0 | R6 |
| 35-CS655 | DXi12 | 131.0x150.0 | 12.1 | R6 |

SCANIA

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|---------------|-------------|-----------|-----------|
| 38-CS623 | DC11 | 127.0x140.0 | 10.6 | R6 |
| 38-CS506 | DS / DSC11 | 127.0x145.0 | 11.0 | R6 |
| 38-CS622 | DC / DSC12 | 127.0x154.0 | 11.7 | R6 |
| 38-CS620 | DSC14L/DSC15L | 127.0x140.0 | 14.2 | V8 |
| 38-CS621 | DS/DSC14 | 127.0x140.0 | 14.2 | V8 |

SUZUKI

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-----------|-----------|-----------|
| 42-CS625 | F10A | 65.5x72.0 | 1.0 | R4 |
| 42-CS503 | G16A | 75.0x90.0 | 1.6 | R4 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|--|---|--------|
| TRAFIC 1.9 dCi (2001-) / KANGOO 1.9 dTi (2000-) | 82 00 037 836 | FORGED |
| Laguna / R19 | 77 00 704 658 / 77 00 870 147 / 77 00 101 174 | |
| MEGANE 2.0 dCi (2006-) / ESPACE IV 2.0 dCi (2005-) | 82 00 385 222 | FORGED |
| ESPACE IV 2.2 dCi (2002-) | 82 00 590 576 | |
| MASTER 2.3 dCi (2010-) | 82 00 805 743 | FORGED |
| MASTER 2.5 dCi (2003-2010) | 82 00 314 795 / 82 00 231 611 / 82 00 314 795 | FORGED |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|------------------------|-------------------------------|-----------------|
| MIDLUM 220 / 270 | 50 00 249 893 | |
| PREMIUM 440 | 74 20 585 167 | FORGED |
| PREMIUM 420 | 50 10 359 661 | |
| PREMIUM 400 | 56 00 551 684 | FORGED |
| MAJOR 310 | 50 00 139 212 | Flange: 6 holes |
| MAJOR 340 | 50 00 666 283 / 31 R0 100 025 | Flange: 8 holes |
| MAJOR 380 | 50 00 678 811 | Flange: 8 holes |
| MAJOR 385 / MAGNUM 420 | 50 00 678 620 | Flange: 8 holes |
| MAGNUM AE | 74 20 411 189 | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|-------------------------------------|--------|
| | 1399252 / 1399253 | |
| | 1308467 / 312739 / 342060 / 1570710 | FORGED |
| | 570940 / 1423374 / 1743584 | |
| | 1379666 | |
| | 370850 / 343010 / 345970 / 1340620 | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|---|---------------------------|--------|
| SK410 CARRY (1984-1999) | 12221-75104 / 12221-75101 | FORGED |
| GRAND VITARA 1.6i (1998-) / SWIFT 1.6 (1991-1995) | 12221-71C00 / 12221-71C10 | |

TOYOTA

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|------------|-----------|-----------|
| 43-CS817 | 2E | 73.0x77.4 | 1.3 | R4 |
| 43-CS811 | 1ND-TV | 73.0x81.5 | 1.4 | R4 |
| 43-CS812 | 1ND-TV | 73.0x81.5 | 1.4 | R4 |
| 43-CS813 | 1ND-TV | 73.0x81.5 | 1.4 | R4 |
| 43-CS823 | 4ZZ-FE | 79.0x71.3 | 1.4 | R4 |
| 43-CS815 | 3ZZ-FE | 79.0x81.5 | 1.6 | R4 |
| 43-CS820 | 4A-FE/4A-GE | 81.0x77.0 | 1.6 | R4 |
| 43-CS821 | 12R | 80.5x78.0 | 1.6 | R4 |
| 43-CS814 | 2AZ-FE | 88.5x96.0 | 2.4 | R4 |
| 43-CS816 | 2L | 92.0x92.0 | 2.5 | R4 |
| 43-CS822 | 3L | 96.0x96.0 | 2.8 | R4 |
| 43-CS818 | 2B | 98.0x102.0 | 3.2 | R4 |
| 43-CS819 | 2B | 98.0x102.0 | 3.2 | R4 |

UMZ / MTZ

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|--------------------|-------------|-----------|-----------|
| 60-CS874 | D240 / D242 / D243 | 110.0x125.0 | 4.8 | R4 |
| 60-CS875 | D65 | 110.0x130.0 | 4.9 | R4 |
| 60-CS873 | D260 | 110.0x125.0 | 7.1 | R6 |

VOLKSWAGEN

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|---------------------------|-----------|-----------|-----------|
| 45-CS758 | AKQ | 76.5x75.6 | 1.4 | R4 |
| 45-CS752 | BFS / BGU / BSE | 81.0x77.4 | 1.6 | R4 |
| 45-CS757 | AEH / AKL | 81.0x77.4 | 1.6 | R4 |
| 45-CS751 | AEB / APU / ANB | 81.0x86.4 | 1.8 | R4 |
| 45-CS756 | ADR / APT / ARG | 81.0x86.4 | 1.8 | R4 |
| 45-CS753 | 1Y / 1Z / AEY / AHU / ALE | 79.5x95.5 | 1.9 | R4 |
| 45-CS754 | 1X / ABL | 79.5x95.5 | 1.9 | R4 |
| 45-CS755 | ALH / ASY | 79.5x95.5 | 1.9 | R4 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|-----------------------------|--------------------------------------|-------------------------------|
| COROLLA 1.3 (1989-1995) | 13401-11050 / 13401-11051 | |
| COROLLA 1.4D-4D (2004-2007) | 13401-33011 | 1 keyway |
| COROLLA 1.4D-4D (2004-2007) | | 1 keyway / flange: 6 holes |
| COROLLA 1.4D-4D (2004-2007) | | 2 keyway / flange: 8 holes |
| COROLLA 1.4 16V (1999-2007) | 13401-0D040 / 13401-22040 | |
| COROLLA 1.6 VVTi (1999-) | 13401-22030 | |
| COROLLA 1.6 (1987-1999) | 13411-02901 / 13411-16900 | |
| HILUX 1.6 (1972-1986) | 13411-31902 | |
| CAMRY 2.4 (2001-2006) | 13401-0H010 / 13401-28010 | |
| HILUX 2.4D (1978-1997) | 13011-54040 | |
| 4-RUNNER 2.8D (1990-1995) | 13401-060 / 13401-54061/ 13401-54100 | |
| B30 MINIBUS / MINITRUCK | 13401-56021 / 13401-56022 | 4 integrated counter weights) |
| B65 MINIBUS / MINITRUCK | | 8 integrated counter weights |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|-----------------|--------|
| MTZ 80 | 240-1005015 | |
| UMZ D65 | DO3-C08A | |
| MTZ 120 BG | 260-1005015 | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------------------------|--------------------------------|-----------|
| GOLF 1.4 (1997-2000) | ----- | |
| Golf 1.6i (2005-2010) | 06A 105 021 D / 06A 105 021 BK | |
| GOLF 1.6 (1996-2004) | 06A 105 021 A | |
| Passat 1.8 Turbo 20V (1996-2000) | 058 105 019 C | Automatic |
| PASSAT 1.8 20V (1996-2000) | 026 105 101 R | |
| Passat 1.9TDI (1993-) | 028 105 101 L | |
| Transporter T4 1.9D (1990-1995) | 028 105 101 J | |
| Golf 1.9TDI (1997-2007) | 038 105 021 E | |

VOLVO TRUCK

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-----------------------|--------------|-----------|-----------|
| 46-CS635 | TD42 | 101.0x126.0 | 4.0 | R4 |
| 46-CS636 | TD45 | 105.6x128.0 | 4.5 | R4 |
| 46-CS637 | TD60 | 98.4x120.0 | 5.5 | R6 |
| 46-CS638 | TD61 | 98.4x120.0 | 5.5 | R6 |
| 46-CS639 | D7A / B / E | 104.78x130.0 | 6.7 | R6 |
| 46-CS640 | TD70 | 104.78x130.0 | 6.7 | R6 |
| 46-CS641 | TD71 | 104.78x130.0 | 6.7 | R6 |
| 46-CS642 | TD71 | 104.78x130.0 | 6.7 | R6 |
| 46-CS644 | TD100 | 120.65x140.0 | 9.6 | R6 |
| 46-CS645 | TD101 / TD102 / TD103 | 120.65x140.0 | 9.6 | R6 |
| 46-CS634 | D11 | 123.0x152.0 | 10.8 | R6 |
| 46-CS643 | TD120 / TD121 | 130.18x150.0 | 12.0 | R6 |
| 46-CS646 | TD122 / TD123 | 130.18x150.0 | 12.0 | R6 |
| 46-CS507 | D12 / D12A | 131.0x150.0 | 12.1 | R6 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|------------------------------|-----------------------------|
| | 4804115 | |
| | 4804294 | |
| | 465755 / 465678 | |
| | 465798 / 420662 | |
| | 20898081 | 8 integrated counterweights |
| | 471749 | |
| | 24424609 / 8113176 | Flange: 9 holes |
| | 477116 | Flange: 6 holes |
| | 1545657 / 8194490 | Flange: 10 holes |
| | 8194456 / 8126780 / 20381957 | Flange: 14 holes |
| | 20585167 / 21671175 | FORGED |
| | 470681 / 468617 / 688740 | FORGED / flange: 10 holes |
| | 478676 / 8125583 | FORGED / flange: 14 holes |
| FH12-420 CV | 1547468 / 20411189 | FORGED |

CUMMINS

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-------------|-----------|-----------|
| 08-CM100 | 4B/BT/BTA | 102.0x120.0 | 3.9 | R4 |
| 08-CM101 | 6B/BT/BTA | 102.0x120.0 | 5.9 | R6 |
| 08-CM102 | 6C | 114.0x135.0 | 8.3 | R6 |
| 08-CM103 | NTC Series | 140.0x152.4 | 14.0 | R6 |
| 08-CM104 | NTC Series | 140.0x152.4 | 14.0 | R6 |
| 08-CM105 | NTC Series | 140.0x152.4 | 14.0 | R6 |
| 08-CM106 | VT903M | 140.0x121.0 | 14.9 | V8 |

DAF

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-------------|-----------|-----------|
| 10-CM143 | WS Series | 130.0x146.0 | 11.6 | R6 |
| 10-CM144 | XE / XF | 130.0x158.0 | 12.6 | R6 |

DEUTZ

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|--------------------------|-------------|-----------|-----------|
| 12-CM197 | F2L 912 | 100.0x120.0 | 1.9 | R2 |
| 12-CM198 | F3L 912 / F3L 913 | 100.0x120.0 | 2.8 | R3 |
| 12-CM199 | F4L 912 | 100.0x120.0 | 3.8 | R4 |
| 12-CM201 | D226 B-4 / TD226 B4 | 105.0x120.0 | 4.15 | R4 |
| 12-CM203 | F6L 812 / F6L 912 | 102.0x125.0 | 6.1 | R6 |
| 12-CM204 | BF6L 913 | 102.0x125.0 | 6.1 | R6 |
| 12-CM202 | D226 B-6 / TD226 B6 | 105.0x120.0 | 6.2 | R6 |
| 12-CM200 | BF6M 1013 | 108.0x130.0 | 7.2 | R6 |
| 12-CM206 | BF6L 413 FR / BF6L 513 R | 120.0x130.0 | 8.8 | R6 |
| 12-CM207 | F6L 413 F | 125.0x130.0 | 9.6 | R6 |
| 12-CM205 | BF6M 1015 | 132.0x145.0 | 11.9 | V6 |
| 12-CM209 | BF8L 413 F / BF8L 513 CP | 125.0x130.0 | 12.8 | V8 |
| 12-CM208 | BF8M 1015 | 132.0x145.0 | 16.0 | V8 |
| 12-CM210 | BF10L 413 F / BF10L 513 | 125.0x130.0 | 16.0 | V10 |
| 12-CM211 | BF12L 413 F / BF12L 513 | 125.0x130.0 | 19.1 | V12 |

| CAR/TRUCK TYPE | ORIGINAL REF. N° | REMARK |
|----------------|--|---------------------------------------|
| | 3914638 | |
| | 3914639 / 3929042 | |
| | 3923478 | |
| | 3026975 / 3025518 / 3801036 / 3022365 / 3006777 | Big cam BC I / BC II |
| | 3042568 / 3049024 | Big cam BC I / BC II / BC III / BC IV |
| | 3801763 / 3049023 | Big cam BC IV |
| | 199180 | |

| CAR/TRUCK TYPE | ORIGINAL REF. N° | REMARK |
|--------------------|--|--------|
| F85-F95 ATI EURO 2 | 0398560 / 1309623 / 1602127 | |
| | 0371646 / 1335373 / 1609221 / 1615597 / 1371646 | |

| CAR/TRUCK TYPE | ORIGINAL REF. N° | REMARK |
|----------------|------------------------|--------|
| | 0213 0025 | |
| | 0423 1436 / 0210 1222 | |
| | 0423 1439 / 0210 1223 | |
| | 1227 3394 | |
| | 0423 1450 / '0210 1224 | |
| | 0423 1449 | |
| | 1219 0202 | |
| | 0425 5925 | |
| | 0414 3025 | |
| | 0422 0778 / 0426 2721 | |
| | 0214 8709 | |
| | 0422 0779 | |
| | 0214 8722 | |
| | 0214 8723 | |

MAN

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|---|-------------|-----------|-----------|
| 25-CM107 | D0824 LF01/LF02 | 108.0x125.0 | 4.6 | R4 |
| 25-CM110 | D0834 LFL01-03 | 108.0x125.0 | 4.6 | R4 |
| 25-CM108 | D0826 LUH02 | 108.0x125.0 | 6.9 | R6 |
| 25-CM109 | D0826 LF04/LF07/LF08/LF17 | 108.0x125.0 | 6.9 | R6 |
| 25-CM111 | D0836 LF01/LF02 | 108.0x125.0 | 6.9 | R6 |
| 25-CM112 | D0836 LF03/LF04/LF05 | 108.0x128.0 | 6.9 | R6 |
| 25-CM116 | D2565 | 125.0x155.0 | 9.5 | R5 |
| 25-CM121 | D2865 LF/LFR/LOH | 128.0x155.0 | 10.0 | R5 |
| 25-CM122 | D2865 LF/LFR/LOH | 128.0x155.0 | 10.0 | R5 |
| 25-CM133 | D2865 LF/LOH/LUH EURO 0/1 | 128.0x155.0 | 10.0 | R5 |
| 25-CM134 | D2865 LF/LOH/LUH EURO 2 | 128.0x155.0 | 10.0 | R5 |
| 25-CM114 | D2156 MT | 121.0x150.0 | 10.3 | R6 |
| 25-CM113 | D2066 | 120.0x155.0 | 10.5 | R6 |
| 25-CM117 | D2556 | 125.0x150.0 | 11.0 | R6 |
| 25-CM117 | D2566 | 125.0x155.0 | 11.4 | R6 |
| 25-CM118 | D2566 UH | 125.0x155.0 | 11.4 | R6 |
| 25-CM119 | D2566 MK/MF | 125.0x155.0 | 11.4 | R6 |
| 25-CM120 | D2566 MT | 125.0x155.0 | 11.4 | R6 |
| 25-CM113 | D2866 | 128.0x155.0 | 12.0 | R6 |
| 25-CM118 | D2866 UH | 128.0x155.0 | 12.0 | R6 |
| 25-CM119 | D2866 LF04/LF07/LF08 | 128.0x155.0 | 12.0 | R6 |
| 25-CM123 | D2866 EURO 0 | 128.0x155.0 | 12.0 | R6 |
| 25-CM124 | D2866 LF06 EURO 0 | 128.0x155.0 | 12.0 | R6 |
| 25-CM125 | D2866 LF06/LF09/LF10 | 128.0x155.0 | 12.0 | R6 |
| 25-CM126 | D2866 LF03/LF05/LF15 | 128.0x155.0 | 12.0 | R6 |
| 25-CM127 | D2866 LF / D2876 LF/LOH | 128.0x155.0 | 12.0 | R6 |
| 25-CM128 | D2866 LF / D2876 LF/LOH | 128.0x155.0 | 12.0 | R6 |
| 25-CM129 | D2866 LF20-25 / D2876 LF01-03 | 128.0x155.0 | 12.0 | R6 |
| 25-CM135 | D2866 LF14/LF16/LF20 / D2876 LF02/LOH01 EURO 2 | 128.0x155.0 | 12.0 | R6 |
| 25-CM136 | D2866 LF30/LF31/LF40 / D2876 LF06/LF10 EURO 2/3 | 128.0x155.0 | 12.0 | R6 |
| 25-CM137 | D2866 LF32/LF37/LF41 / D2876 LF03/LF07 EURO 2/3 | 128.0x155.0 | 12.0 | R6 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|--|--|
| | 51.04401.6296 | |
| | 51.04401.6382 | |
| | 51.04401.6266 | |
| | 51.04401.6290 | |
| | 51.04401.6369 | |
| | 51.04401.6371 | |
| | 51.04401.6148 | |
| | 51.04401.6374 / 51.04401.6340 / 51.04401.6283 / 51.04401.6341 | |
| | 51.04401.6372 / 51.04401.6344 | |
| | 51.04401.6374 / 51.04401.6340 / 51.04401.6283 / 51.04401.6341 | |
| | 51.04401.6372 | Without advance units |
| | 51.04401.0231 | |
| | 51.04401.6398 / 51.04401.0867 | |
| | 51.04401.6125 | |
| | 51.04401.6125 | |
| | 51.04401.6240 | Reinforced version for PTO |
| | 51.04401.6271 / 51.04401.6231 / 51.04401.6179 | Base circle in/ex: 50 mm / stroke: 58.5 mm |
| | 51.04401.6235 | |
| | 51.04401.6398 / 51.04401.0867 | |
| | 51.04401.6240 | Reinforced version for PTO |
| | 51.04401.6271 / 51.04401.6231 / 51.04401.6179 | Base circle in/ex: 50 mm / stroke: 58.5 mm |
| | 51.04401.6277 | Base circle in/ex: 52.5/50 mm |
| | 51.04401.6282 | Base circle in/ex: 52.5/50 mm |
| | 51.04401.6375 / 51.04401.6339 | EURO 0/1 |
| | 51.04401.6342 / 51.04401.6376 | EURO 0/1 |
| | 51.04401.6373 / 51.04401.6305 | EURO 2 |
| | 51.04401.5053 | 4-valves / EURO 2/3 |
| | 51.04400.6006 / 51.04401.5055 | 4-valves / EURO 2/3 |
| | 51.04401.6373 / 51.04401.6305 | Without advance units |
| | 51.04401.5053 | 4 valves version |
| | 51.04401.6006 / 51.04401.5055 | 4 valves version |

MAN

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|----------------------|-------------|-----------|-----------|
| 25-CM115 | D2530 MT | 125.0x130.0 | 16.0 | V10 |
| 25-CM130 | D2840 LF | 128.0x142.0 | 18.3 | V10 |
| 25-CM131 | D2840 LF01/LF04/LF06 | 128.0x142.0 | 18.3 | V10 |
| 25-CM132 | D2842 | 128.0x142.0 | 22.0 | V12 |

MERCEDES-BENZ LIGHT COMMERCIAL VEHICLE

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------|-----------|-----------|-----------|
| 27-CM145 | OM611 | 88.0x88.3 | 2.15 | R4 |
| 27-CM146 | OM611/OM646 | 88.0x88.3 | 2.15 | R4 |
| 27-CM147 | OM603 | 87.0x84.0 | 3.0 | R6 |

MERCEDES-BENZ TRUCK & BUS

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-----------------|-------------|-----------|-----------|
| 27-CM148 | OM314 | 97.0x128.0 | 3.8 | R4 |
| 27-CM149 | OM314 | 97.0x128.0 | 3.8 | R4 |
| 27-CM150 | OM364 | 97.5x133.0 | 4.0 | R4 |
| 27-CM151 | OM364 | 97.5x133.0 | 4.0 | R4 |
| 27-CM158 | OM904 | 102.0x130.0 | 4.25 | R4 |
| 27-CM152 | OM352 | 97.0x128.0 | 5.7 | R6 |
| 27-CM153 | OM352 | 97.0x128.0 | 5.7 | R6 |
| 27-CM154 | OM352 | 97.0x128.0 | 5.7 | R6 |
| 27-CM155 | OM352 | 97.0x128.0 | 5.7 | R6 |
| 27-CM156 | OM366 | 97.5x133.0 | 6.0 | R6 |
| 27-CM157 | OM366 A/LA | 97.5x133.0 | 6.0 | R6 |
| 27-CM159 | OM906 LA | 102.0x130.0 | 6.4 | R6 |
| 27-CM160 | OM906 LA | 102.0x130.0 | 6.4 | R6 |
| 27-CM161 | OM906 LAG | 102.0x130.0 | 6.4 | R6 |
| 27-CM162 | OM360 /A | 115.0x140.0 | 8.7 | R6 |
| 27-CM163 | OM401 | 125.0x130.0 | 9.6 | V6 |
| 27-CM164 | OM401 LA EURO 1 | 125.0x130.0 | 9.6 | V6 |
| 27-CM175 | OM449 LA | 128.0x150.0 | 9.7 | R5 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|--|-------------|
| | 51.04401.6134 / 51.04401.6082 | |
| | 51.04401.6215 / 51.04401.6167 / 51.04401.6166 | |
| | 51.04401.6285 | Without PTO |
| | 51.04401.6363 / 51.044101.6352 | |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|------------------------------------|---|------------------------------------|
| SPRINTER / VITO | A611 050 22 01 / A611 050 08 01 / A611 050 00 01 | Intake |
| SPRINTER / VITO EURO 3 / EURO 4 | A611 050 18 01 / A611 050 01 01 | Exhaust |
| | A603 050 07 01 | BM 603.912/913/930/931/950/960/963 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|---|---|
| | A314 050 19 01 | Engine № ...283 201 |
| | A314 050 18 01 | Engine № 283 202... |
| | A364 050 03 01 | |
| | A364 050 06 01 / A364 050 04 01 | |
| | A904 050 09 01 / A904 050 09 01 | |
| | A352 050 44 01 | Engine № ...470 359 |
| | A352 050 49 01 | Engine № 470 360... |
| | A352 050 45 01 | Not for BM 353.957/974-976 / engine № ...470 359 |
| | A352 050 50 01 | Not for BM 353.957/974-976 / engine № 470 360... |
| | A366 050 03 01 | |
| | A366 051 11 01 / A366 050 06 01 / A366 050 04 01 | |
| | A906 050 09 01 / A906 050 14 01 | |
| | A906 050 24 01 / A906 050 26 01 | |
| | A906 050 42 01 / A906 050 14 01 / A906 050 09 01 | |
| | A360 051 04 01 | |
| | A401 050 18 01 | |
| | A401 050 22 01 | |
| | A449 050 06 01 | |

MERCEDES-BENZ TRUCK & BUS

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|------------------|-------------|-----------|-----------|
| 27-CM164 | OM441 A/LA | 128.0x142.0 | 11.0 | V6 |
| 27-CM178 | OM421 | 128.0x142.0 | 11.0 | V6 |
| 27-CM179 | OM421 A/LA | 128.0x142.0 | 11.0 | V6 |
| 27-CM186 | OM441 A/LA | 128.0x142.0 | 11.0 | V6 |
| 27-CM187 | OM441 LA | 128.0x142.0 | 11.0 | V6 |
| 27-CM178 | OM441 | 130.0x142.0 | 11.3 | V6 |
| 27-CM171 | OM407 /A | 125.0x155.0 | 11.4 | R6 |
| 27-CM165 | OM355 | 128.0x150.0 | 11.6 | R6 |
| 27-CM166 | OM355 A | 128.0x150.0 | 11.6 | R6 |
| 27-CM167 | OM541 (OM501 LA) | 130.0x150.0 | 11.9 | V6 |
| 27-CM168 | OM541 (OM501 LA) | 130.0x150.0 | 11.9 | V6 |
| 27-CM171 | OM427 /H | 128.0x155.0 | 12.0 | R6 |
| 27-CM171 | OM447 A/LA | 128.0x155.0 | 12.0 | R6 |
| 27-CM172 | OM447 A/H/HLA/LA | 128.0x155.0 | 12.0 | R6 |
| 27-CM173 | OM447 HLA | 128.0x155.0 | 12.0 | R6 |
| 27-CM174 | OM447 HA/HLA | 128.0x155.0 | 12.0 | R6 |
| 27-CM176 | OM402 | 125.0x130.0 | 12.8 | V8 |
| 27-CM177 | OM402 LA | 125.0x142.0 | 12.8 | V8 |
| 27-CM180 | OM422 | 128.0x142.0 | 14.6 | V8 |
| 27-CM181 | OM422 A/LA | 128.0x142.0 | 14.6 | V8 |
| 27-CM177 | OM442 A/LA | 128.0x142.0 | 14.6 | V8 |
| 27-CM180 | OM442 | 130.0x142.0 | 15.0 | V8 |
| 27-CM181 | OM442 A/LA | 130.0x142.0 | 15.0 | V8 |
| 27-CM188 | OM442 | 130.0x142.0 | 15.0 | V8 |
| 27-CM189 | OM442 LA | 130.0x142.0 | 15.0 | V8 |
| 27-CM169 | OM542 (OM502 LA) | 130.0x150.0 | 15.9 | V8 |
| 27-CM170 | OM542 (OM501 LA) | 130.0x150.0 | 15.9 | V8 |
| 27-CM182 | OM403 | 125.0x130.0 | 16.0 | V10 |
| 27-CM183 | OM423 | 128.0x142.0 | 18.3 | V10 |
| 27-CM184 | OM423 A/LA | 128.0x142.0 | 18.3 | V10 |
| 27-CM183 | OM443 | 130.0x142.0 | 18.9 | V10 |
| 27-CM185 | OM424 A/LA | 128.0x142.0 | 22.0 | V12 |
| 27-CM190 | OM444 A/LA | 128.0x142.0 | 22.0 | V12 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|---|---|
| | A441 050 17 01 | |
| | A421 050 14 01 | Engine № ...519 685 |
| | A421 050 15 01 | BM 421.901/904 |
| | A441 050 00 01 | BM 441.950-962/981-985/901-400/901-500 |
| | A421 050 15 01 | |
| | A421 050 14 01 | Engine № ...519 685 |
| | A407 050 14 01 | not for BM 900/901/905/910/911/951/955 |
| | A355 051 04 01 | |
| | A355 051 10 01 | |
| | A541 050 10 01 | |
| | A541 050 18 01 | |
| | A427 050 14 01 / A427 050 09 01 | not for BM 900/901/905-908/910/912 |
| | A447 050 02 01 | not for BM 901-904 |
| | A427 050 10 01 | BM 447.902/950-953 |
| | A447 050 19 01 | EURO 2 |
| | A447 050 12 01 | BM 447.903/947/954-959/980-987/995 |
| | A402 050 18 01 | |
| | A402 050 21 01 / A402 050 22 01 / A402 050 25 01 | |
| | A422 050 03 01 / A422 050 21 01 | |
| | A422 050 22 01 | |
| | A442 050 17 01 | |
| | A422 050 03 01 / A422 050 21 01 | |
| | A422 050 22 01 | |
| | A442 050 06 01 / A442 050 18 01 | EURO 1 |
| | A442 050 08 01 / A442 050 11 01 | EURO 2 |
| | A542 050 06 01 | |
| | A542 050 14 01 | |
| | A403 050 40 01 | |
| | A423 050 13 01 | |
| | A423 050 14 01 | |
| | A423 050 13 01 | |
| | A424 050 06 01 / A424 050 08 01 / A424 050 11 01 | BM 424.901/901-400/901-500 |
| | A444 050 00 01 | |

SCANIA

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|--------------------------|-------------|-----------|-----------|
| 38-CM138 | DS / DSC11 | 127.0x145.0 | 11.0 | R6 |
| 38-CM139 | DC / DSC12 | 127.0x154.0 | 11.7 | R6 |
| 38-CM140 | DSC12.01 / 12.02 | 127.0x154.0 | 11.7 | R6 |
| 38-CM141 | DSC12.03 / 12.05 | 127.0x154.0 | 11.7 | R6 |
| 38-CM142 | DSC14.13 / 14.15 / 14.16 | 127.0x140.0 | 14.2 | V8 |

VOLVO TRUCK

| UM NUMBER | ENGINE TYPE | D x S, mm | VOLUME, L | CYLINDERS |
|-----------|-------------------------|--------------|-----------|-----------|
| 46-CM191 | TD100 / THD100 | 120.65x140.0 | 9.6 | R6 |
| 46-CM192 | TD101 / THD101 / THD102 | 120.65x140.0 | 9.6 | R6 |
| 46-CM193 | TD120A / TD120AG | 130.18x150.0 | 12.0 | R6 |
| 46-CM194 | TD121 / TD122 | 130.18x150.0 | 12.0 | R6 |
| 46-CM195 | D12A / D12B | 131.0x150.0 | 12.1 | R6 |
| 46-CM196 | TD162A / D16A | 144.0x165.0 | 16.12 | R6 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|--------------------|---------------------|
| | 325646 | |
| | 1509917 / 1439779 | |
| | 1414022 / 1414 009 | Engine № ...5371627 |
| | 1505916 / 1439 778 | |
| | 374897 / 1350914 | EURO 2 |

| CAR/TRUCK TYPE | ORIGINAL REF. № | REMARK |
|----------------|--|-------------------|
| | 467853-8 / 422363-2 | |
| | 479610-8 / 479450 / 1545071-1 / 8194480 | |
| | 845800-2 / 468022-9 | |
| | 479620-7 / 478750 / 468723-2 / 8193727 | |
| | 8148524 | Engine № ...93097 |
| | 1543704-9 | |

CUMMINS

| UM NUMBER | ENGINE TYPE | CYLINDER D, mm | CYLINDERS |
|-----------|-------------|----------------|-----------|
| 08-CR130 | 6B/BT/BTA | 102.0 | R6 |
| 08-CR131 | 6C | 114.0 | R6 |

DEUTZ

| UM NUMBER | ENGINE TYPE | CYLINDER D, mm | CYLINDERS |
|-----------|-----------------------|----------------|-----------|
| 12-CR182 | BFL 1011 | 91.0 | R4 |
| 12-CR183 | BFL 1011/F | 91.0 | R4 |
| 12-CR184 | TD/TCD 3.6 L4 1011/N | 98.0 | R4 |
| 12-CR100 | FL 912 D/W | 100.0 | R2-R6 |
| 12-CR101 | FL 912 D/W | 100.0 | R2-R6 |
| 12-CR104 | BF6L 913 | 102.0 | R6 |
| 12-CR103 | D226 / TD226 | 105.0 | R3-R6 |
| 12-CR102 | BFM 1013 | 108.0 | R4 / R6 |
| 12-CR106 | BF6L 413 F / BF6L 513 | 120.0 / 125.0 | V6-V12 |
| 12-CR107 | FL 413 FR | 120.0 / 125.0 | R4 / R6 |
| 12-CR105 | BF6L 413 FRC/RC | 125.0 | R6 |
| 12-CR108 | BF6M 1015 | 132.0 | V6 |
| 12-CR109 | BF8M 1015 | 132.0 | V8 |

FIAT PASSENGER CAR

| UM NUMBER | ENGINE TYPE | CYLINDER D, mm | CYLINDERS |
|-----------|-------------------------|----------------|-----------|
| 13-CR152 | 188 A8.000 / 199 A2.000 | 69.6 | R4 |
| 13-CR164 | 182 B4.000 / 185 B4.000 | 82.0 | R4 |
| 14-CR154 | QWFB V347 Duratorq | 86.0 | R4 |
| 14-CR155 | QWFB V347 Duratorq | 86.0 | R4 |

FIAT/IVECO LIGHT COMMERCIAL VEHICLE

| UM NUMBER | ENGINE TYPE | CYLINDER D, mm | CYLINDERS |
|-----------|--------------------|----------------|-----------|
| 20-CR165 | Sofim 8140/S8U,89U | 93.0 | R4 |
| 20-CR166 | Sofim 8140/S8W/S9W | 94.4 | R4 |

| DIMENSIONS, mm | ORIGINAL REF. № | REMARK |
|---------------------|-------------------|--------|
| D1=40; D2=73; L=192 | 3901569 / 3942551 | |
| D1=45; D2=81; L=216 | 3901383 | |

| DIMENSIONS, mm | ORIGINAL REF. № | REMARK |
|---------------------------|--|---------|
| D1=26; D2=58.51; L=173.26 | 0428 6691 | |
| D1=30; D2=58.51; L=173.26 | 0427 2007 / 0417 8999 | |
| D1=30; D2=61.5; L=176 | — | |
| D1=38; D2=64; L=216 | 0337 1614 / 0415 0450 | Round |
| D1=35; D2=60; L=216 | 0223 2061 / 0415 0455 | Angular |
| D1=40.04 D2=70; L=216 | 0223 2059 / 0415 2302 | |
| D1=35; D2=67; L=201 | 1216 0519 / 6005 003 713 | |
| D1=42; D2=72.5; L=210 | 0420 0465 | |
| D1=45; D2=80; L=237.5 | 0414 7945 / 0424 0548 / 0418 9074 / 0418 2751 / 0414 8569 / 0214 5735 / 0214 8853 | |
| D1=45; D2=87; L=237.5 | 0219 3840 | |
| D1=45; D2=87; L=237.5 | 0414 3222 | |
| D1=52; D2=92; L=262 | 0422 6240 / 0422 0829 | |
| D1=52; D2=92; L=262 | 0422 6242 / 0422 0828 | |

| DIMENSIONS, mm | ORIGINAL REF. № | REMARK |
|---------------------------|-----------------|--------|
| D1=23; D2=45.73; L=131.35 | 735 012 29 | |
| D1=26; D2=53.9; L=145 | 467 689 51 | |
| D1=30; D2=56; L=155 | 0603 E4 | |
| D1=30; D2=56; L=160 | 603 97/98 | |

| DIMENSIONS, mm | ORIGINAL REF. № | REMARK |
|---------------------------|-----------------|--------|
| D1=32; D2=60.34; L=157.20 | 500 352 497 | |
| D1=32; D2=60.34; L=157.20 | 747 31 71 | |

FORD PASSENGER CAR

| UM NUMBER | ENGINE TYPE | CYLINDER D, mm | CYLINDERS |
|-----------|----------------|----------------|-----------|
| 14-CR153 | F9DA/P7PA | 82.5 | R4 |
| 14-CR167 | FYDA/HWDA | 79.0 | R4 |
| 14-CR168 | D4FA/F4FA | 89.9 | R4 |
| 14-CR154 | QWFB V347 Puma | 86.0 | R4 |
| 14-CR155 | QWFB V347 Puma | 86.0 | R4 |
| 14-CR169 | DLD-414 | 73.7/75.0 | R4 |
| 14-CR156 | DLD-416 | 75.0 | R4 |

ISUZU

| UM NUMBER | ENGINE TYPE | CYLINDER D, mm | CYLINDERS |
|-----------|----------------|----------------|-----------|
| 19-CR185 | 4HF1 | 112.0 | R4 |
| 19-CR186 | 4HE1-T | 115.0 | R4 |
| 19-CR187 | 4HK1-6HK1-TCS | 115.0 | R4 |
| 19-CR188 | 4JA1/ 4JA1-T/C | 93.0 | R4 |
| 19-CR189 | 4JB1-T | 93.0 | R4 |

MAN

| UM NUMBER | ENGINE TYPE | CYLINDER D, mm | CYLINDERS |
|-----------|---|----------------|-----------|
| 25-CR132 | D0824 / D0826 | 108.0 | R4 / R6 |
| 25-CR133 | D0834 / D0826 / D0836 | 108.0 | R4 / R6 |
| 25-CR134 | D2066 LF01-LF04 | 120.0 | R6 |
| 25-CR135 | D2156 / D2356 | 121.0 / 123.0 | R6 |
| 25-CR136 | D2540 / D2542 / D2840 / D2842 / D2848 | 125.0 / 128.0 | V8 / V10 |
| 25-CR137 | D2555 / D2556 / D2565 / D2566 / D2865 / D2866 | 125.0 / 128.0 | R5 / R6 |
| 25-CR138 | D2865 / D2866 | 128.0 | R5 / R6 |
| 25-CR139 | D2865 / D2866 / D2876 | 128.0 | R5 / R6 |
| 25-CR140 | D2866 / D2876 | 128.0 | R6 |
| 25-CR141 | D2876 LF12 / LF13 / LF25 | 128.0 | R6 |

| DIMENSIONS, mm | ORIGINAL REF. № | REMARK |
|--------------------------|-----------------------|--------|
| D1=28; D2=52; L=130 | 1S4Q 6200 BD/1487468 | |
| D1=18; D2=47; L=137.5 | 98MM 6200 AA | |
| D1=32; D2=56; L=150 | 5C10 6200 AA | |
| D1=30; D2=56; L=155 | 1S7Q 6200 CAA/1377616 | |
| D1=30; D2=56; L=160 | 1S7Q 6200 CBA/1377618 | |
| D1=25; D2=48.68; L=126.8 | 7S6Q 6200 AC | |
| D1=26; D2=50.65; L=136.8 | 7M5Q 6200 AD | |

| DIMENSIONS, mm | ORIGINAL REF. № | REMARK |
|-----------------------|-----------------|--------|
| D1=36; D2=70; L=165 | 897135032351 | |
| D1=40; D2=78; L=198 | 898018425251 | |
| D1=40; D2=78; L=198 | 894399661251 | |
| D1=56; D2=31; L=152.5 | 894333119 | |
| D1=31; D2=56; L=168.5 | 8943296920 | |

| DIMENSIONS, mm | ORIGINAL REF. № | REMARK |
|---------------------|--|----------------------|
| D1=40; D2=69; L=187 | 51.02400.6015 / 51.02401.6221 / 51.02401.6277 | Crack connecting rod |
| D1=42; D2=74; L=196 | 51.02400.6023 / 51.02401.0207 / 51.02401.6263 / 51.02401.6268 / 51.02401.6278 / 51.02401.6292 | Crack connecting rod |
| D1=52; D2=95; L=256 | 51.02400.6120 / 51.02400.6066 | |
| D1=45; D2=89; L=141 | 51.02401.6065 | |
| D1=46; D2=95; L=256 | 51.02401.6198 / 51.02401.6234 | |
| D1=46; D2=95; L=251 | 51.02401.6141 / 51.02401.6214 / 51.02401.6244 | |
| D1=46; D2=95; L=251 | 51.02401.6256 | Trapezoidal |
| D1=46; D2=95; L=251 | 51.02400.6044 / 51.02400.6043 / 51.02400.6033 | Crack connecting rod |
| D1=50; D2=95; L=256 | 51.02400.6011 / 51.02400.6049 / 51.02401.6242 / 51.02401.6243 / 51.02401.6243 | Crack connecting rod |
| D1=52; D2=95; L=256 | 51.02400.6054 / 51.02400.6030 | |

MERCEDES-BENZ LIGHT COMMERCIAL VEHICLE

| UM NUMBER | ENGINE TYPE | CYLINDER D, mm | CYLINDERS |
|-----------|---------------|----------------|-----------|
| 27-CR150 | OM651 | 83.0 | R4 |
| 27-CR151 | OM611 / OM646 | 88.0 | R4 |
| 27-CR110 | OM601 / OM602 | 89.0 | R4 / R5 |

MERCEDES-BENZ TRUCK & BUS

| UM NUMBER | ENGINE TYPE | CYLINDER D, mm | CYLINDERS |
|-----------|--|-----------------------|-----------|
| 27-CR112 | OM314 / OM352 / OM362 | 97.0 | R4/R6 |
| 27-CR114 | OM314 / OM352 / OM 364 / OM366 | 97.0 / 97.5 | R4 / R6 |
| 27-CR115 | OM364 / OM366 | 97.5 | R4 / R6 |
| 27-CR116 | OM904 LA / OM906 LA | 102.0 | R4 / R6 |
| 27-CR117 | OM904 LA / OM906 LA | 102.0 | R4 / R6 |
| 27-CR118 | OM904 LA / OM906 LA / OM924 LA | 102.0 / 106.0 | R4 / R6 |
| 27-CR119 | OM360 /A | 115.0 | R6 |
| 27-CR125 | OM407 / OM409 | 125.0 | R5 / R6 |
| 27-CR126 | OM 407 A / OM409 A / OM427 A / OM447 A / OM 449 A | 125.0 / 128.0 | R5 / R6 |
| 27-CR127 | OM 407 A / OM409 A / OM427 A / OM447 A / OM 449 A | 125.0 / 128.0 | R5 / R6 |
| 27-CR120 | OM401-404 / OM421-424 / OM442-444 | 125.0 / 128.0 / 130.0 | V6-V12 |
| 27-CR121 | OM401 LA / OM441 A/LA | 125.0 / 128.0 / 130.0 | V6 |
| 27-CR122 | OM402 LA / OM441-444 A/LA | 125.0 / 128.0 / 130.0 | V6-V12 |
| 27-CR113 | OM355 /A | 128.0 | R6 |
| 27-CR128 | OM457 LA | 128.0 | R6 |
| 27-CR129 | OM447 A/LA | 128.0 | R6 |
| 27-CR123 | OM541 (OM501 LA) | 130.0 | V6 |
| 27-CR124 | OM542 (OM502 LA) | 130.0 | V8 |

MITSUBISHI

| UM NUMBER | ENGINE TYPE | CYLINDER D, mm | CYLINDERS |
|-----------|-------------|----------------|-----------|
| 29-CR159 | 4D31T | 100.0 | R4 |
| 29-CR160 | 4D34 | 104.0 | R4 |
| 29-CR161 | 4D56 | 91.1 | R4 |
| 29-CR162 | 4D34T | 104.0 | R4 |

| DIMENSIONS, mm | ORIGINAL REF. № | REMARK |
|-------------------------|---|---------------------------------------|
| D1=30; D2=55.6; L=143.5 | 651 030 0020 | |
| D1=30; D2=51.6; L=149 | A646 030 00 20 / A611 030 07 20 / A611 030 05 20 / A611 030 030 20 | |
| D1=26; D2=51.6; L=145 | A601 030 47 20 / A601 030 44 20 | BM 601.940-943 / BM602.940/946/947 |

| DIMENSIONS, mm | ORIGINAL REF. № | REMARK |
|---------------------|--|------------------------|
| D1=36; D2=65; L=230 | A352 030 39 20 / A352 030 49 20 / A352 030 57 20 | Not toothed / with nut |
| D1=36; D2=65; L=230 | A366 030 21 20 / A366 030 25 20 / A366 030 35 20 / A366 030 71 20 | Toothed / without nut |
| D1=39; D2=65; L=230 | A366 030 36 20 / A366 030 73 20 | Trapezoidal |
| D1=40; D2=75; L=215 | A904 030 03 20 / A906 030 02 20 | |
| D1=42; D2=75; L=215 | A906 030 03 20 | |
| D1=42; D2=75; L=215 | A906 030 10 20 | |
| D1=42; D2=77; L=234 | A360 030 01 20 | |
| D1=46; D2=95; L=256 | A407 030 06 20 / A496 030 00 20 | |
| D1=46; D2=95; L=251 | A407 030 07 20 | |
| D1=46; D2=95; L=251 | A447 030 04 20 | |
| D1=46; D2=95; L=256 | A403 030 17 20 / A422 030 03 20 / A422 030 04 20 | |
| D1=46; D2=95; L=256 | A441 030 05 20 / A441 030 08 20 | Trapezoidal |
| D1=46; D2=95; L=256 | A442 030 00 20 / A442 030 02 20 | Trapezoidal |
| D1=48; D2=83; L=280 | A355 030 28 20 / A355 003 21 20 / A355 030 19 20 | |
| D1=52; D2=95; L=251 | A457 030 01 20 | |
| D1=46; D2=95; L=251 | A447 030 03 20 / A466 030 01 20 | Trapezoidal |
| D1=52; D2=99; L=273 | A541 030 03 20 / A541 030 04 20 / A541 030 05 20 | |
| D1=52; D2=99; L=273 | A542 030 03 20 / A542 030 04 20 / A542 030 05 20 | |

| DIMENSIONS, mm | ORIGINAL REF. № | REMARK |
|------------------------|---------------------|--------|
| D1=34; D2=64.02; L=185 | ME012264 | |
| D1=34; D2=64.02; L=185 | ME012265 | |
| D1=29; D2=56; L=148 | MD371001/2351042010 | |
| D1=36; D2=69; L=185 | ME012265 | |

NISSAN

| UM NUMBER | ENGINE TYPE | CYLINDER D, mm | CYLINDERS |
|-----------|-------------|----------------|-----------|
| 30-CR163 | YD22/YD25 | 86.0/89.0 | R4 |

OPEL

| UM NUMBER | ENGINE TYPE | CYLINDER D, mm | CYLINDERS |
|-----------|-------------|----------------|-----------|
| 13-CR152 | Z13DT | 69.6 | R4 |
| 31-CR176 | C20LET/NE | 86.0 | R4 |
| 31-CR177 | X16/Z16 | 79.0 | R4 |

PEUGEOT

| UM NUMBER | ENGINE TYPE | CYLINDER D, mm | CYLINDERS |
|-----------|----------------|----------------|-----------|
| 33-CR170 | DW8/XUD9 | 82.2/83.0 | R4 |
| 20-CR165 | Sofim S8U, S9U | 93.0 | R4 |
| 20-CR166 | Sofim S8W, S9W | 94.4 | R4 |
| 14-CR154 | 2.2 HDI | 86.0 | R4 |
| 14-CR155 | 2.2 HDI | 86.0 | R4 |
| 14-CR169 | DV4 TD/TED4 | 73.7/75.0 | R4 |
| 14-CR156 | DV6 ATED4 | 75.0 | R4 |

RENAULT

| UM NUMBER | ENGINE TYPE | CYLINDER D, mm | CYLINDERS |
|-----------|-------------|----------------|-----------|
| 35-CR171 | K9K | 76.0 | R4 |
| 35-CR172 | G9U | 89.0 | R4 |
| 35-CR173 | F9Q | 80.0 | R4 |
| 35-CR174 | M9R 32PIM | 84.0 | R4 |
| 35-CR175 | M9R 30PIM | 84.0 | R4 |
| 20-CR165 | S8U, S9U | 93.0 | R4 |
| 20-CR166 | S8W, S9W | 94.4 | R4 |

SMART

| UM NUMBER | ENGINE TYPE | CYLINDER D, mm | CYLINDERS |
|-----------|-------------|----------------|-----------|
| 27-CR178 | M160 | 63.5 | R3 |

| DIMENSIONS, mm | ORIGINAL REF. № | REMARK |
|-----------------------|-----------------|--------|
| D1=28; D2=55; L=154.5 | 12100-EB33A | |

| DIMENSIONS, mm | ORIGINAL REF. № | REMARK |
|---------------------------|--------------------------|--------|
| D1=23; D2=45.73; L=131.35 | 735 012 29 | |
| D1=20.95; D2=52; L=143 | 622028/622030/905 301 69 | |
| D1=18; D2=46; L=130 | 622035/933 251 28 | |

| DIMENSIONS, mm | ORIGINAL REF. № | REMARK |
|---------------------------|-----------------|--------|
| D1=25; D2=53.7; L=144.9 | 0603 77 | |
| D1=32; D2=60.34; L=157.20 | 0603 79 | |
| D1=32; D2=60.34; L=157.20 | 0603 82 | |
| D1=30; D2=56; L=155 | 0603 E4 | |
| D1=30; D2=56; L=160 | 0603 97/98 | |
| D1=25; D2=48.68; L=126.8 | 0603 88 | |
| D1=26; D2=50.65; L=136.8 | 0603 92 | |

| DIMENSIONS, mm | ORIGINAL REF. № | REMARK |
|---------------------------|-----------------|--------|
| D1=26; D2=47.6; L=134 | 770 147 5074 | |
| D1=31; D2=56.6; L=147.5 | 770 147 3615 | |
| D1=27; D2=51.6; L=139 | 770 147 6250 | |
| D1=32; D2=55.6; L=143.5 | 770 147 7831 | |
| D1=30; D2=55.6; L=143.5 | — | |
| D1=32; D2=60.34; L=157.20 | 500 352 497 | |
| D1=32; D2=60.34; L=157.20 | 747 31 71 | |

| DIMENSIONS, mm | ORIGINAL REF. № | REMARK |
|-------------------------|-----------------|--------|
| D1=14.8; D2=41.5; L=113 | — | |

VOLKSWAGEN

| UM NUMBER | ENGINE TYPE | CYLINDER D, mm | CYLINDERS |
|-----------|-------------------------------|----------------|-----------|
| 45-CR179 | APT/AGN/ARG/AWU/BJX/BKF | 81.0 | R4 |
| 45-CR157 | CBHA/CBJB/AXD/AXE/BAC/BJM | 81.0 | R4/R5 |
| 45-CR158 | BSU/ATJ/BSW/AUY/ARL/AVQ/AVB | 79.5 | R4 |
| 45-CR180 | BAY/BMS/BNM/BNV/BWB/AMF | 79.5 | R3 |
| 45-CR181 | CAYA/CAYB/CAYC/CLHA/CRKA/CFWA | 79.5 | R4/R3 |

| DIMENSIONS, mm | ORIGINAL REF. № | REMARK |
|-------------------------|------------------------|---------------|
| D1=20; D2=50.6; L=144.3 | 027 198 401 B | |
| D1=26; D2=53.7; L=144 | 038 105 401 J | |
| D1=26; D2=50.61; L=144 | 038 105 401 G | |
| D1=26; D2=50.6; L=144 | 045 105 401 B/C | |
| D1=26; D2=50.6; L=151.8 | 03L 105 401 A | |

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